




BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 1


1	Overview	13
2	OSS Licenses used in the project	13
3	Package details for OSS Licenses usage	15
3.1	AES - Advanced Encryption Standard - 1.0.....	15
3.2	ACL - 2.2.52.....	15
3.3	Alsa Libraries - 1.0.29.....	15
3.4	Alsa Plugins - 1.0.29.....	15
3.5	Alsa Utils - 1.0.29.....	16
3.6	APMD - 3.2.2.....	16
3.7	ATK - 2.8.0.....	16
3.8	Attr - 2.4.47.....	16
3.9	Avahi - 0.6.31.....	16
3.10	Bash - 3.2.48.....	16
3.11	BidiReferenceCpp - 26.....	17
3.12	Bison - 2.5.2., 3.0.2, 3.0.4.....	17
3.13	BlueZ - 5.33,4.101.....	17
3.14	Btrfs-progs - 4.1.2.....	17
3.15	Busybox - 1.24.1.....	17
3.16	Bzip2 - 1.0.6.....	17
3.17	Cairo Vector Graphics Library - 1.14.2.....	17
3.18	Cairo-Pixman - 0.32.6.....	18
3.19	Cdparanoia - 10.2.....	18
3.20	Chkconfig - 1.3.59.....	18
3.21	CMU Sphinx - 0.7.....	18
3.22	ConnMan - 1.35.....	18
3.23	cryptodev-linux - 1.8.....	18
3.24	Crypt:Curve25519 - 0.01.....	18
3.25	Curl - 7.59.0,7.35.0.....	19
3.26	CVTUTF -1.0.....	19
3.27	C++ XML Parser -2.23.....	19
3.28	Darwin Source Repository -332.25.....	19
3.29	DBus Bluetooth Daemon.....	19
3.30	DBus-glib - 0.104.....	19

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 2


3.31	Delaunay-Triangulation	19
3.32	DBUS MBS- 1.0, 1.8.20	19
3.33	DBus-python - 1.2.0	20
3.34	Developer's Image Library - DevIL - 1.7.8	20
3.35	Dosfstools - 2.11	20
3.36	Digest::MD4	20
3.37	Digest::MD5	20
3.38	ECNR	20
3.39	ECryptfs - 106	20
3.40	Elfutils - 0.148	20
3.41	Ethtool - 4	20
3.42	Evtest - 1.25	21
3.43	EXIF Tag Parsing Library - libexif - 0.6.21	21
3.44	Expat XML Parser - 2.1.0	21
3.45	Ext2 File systems Utilities - 1.42.9	21
3.46	FastLZ - 0.1.0	21
3.47	Festival Speech Synthesis System - 2.1	21
3.48	File system in Userspace - 2.9.4	21
3.49	Fine Free File Command - 5.24	22
3.50	FLAC-Free Lossless Audio Codec - 1.2.1	22
3.51	Font Config - 2.11.94	22
3.52	Free Image - 3.17.0	22
3.53	Free Type - 2.5.3 & 2.4.10, 2.6	22
3.54	GCC C++ / libstdc++ - 5.2.0	22
3.55	GDK-Pixbuf - 2.30.8	22
3.56	GENIVI Audio Manager - 1.1, 3.2, 4.2	23
3.57	GENIVI Audio Manager -MIT 1.1, 3.2	23
3.58	GENIVI Node Health Monitor - 1.3.5	23
3.59	GENIVI Diagnostic Log and Trace Daemon - 2.10.0, 2.16.0, 2.11.1	23
3.60	GENIVI IPC CommonAPI C++ DBus Runtime - 2.0.6	23
3.61	GENIVI IPC CommonAPI C++ Runtime - 3.1.3	23
3.62	GENIVI IVI Layer Management - 0.9.7 & 1.2.0, 0.9.9	23
3.63	GENIVI Node Startup Controller - 1.0.2	23

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 3


3.64	GENIVI Node State Manager - 2.0.0.....	24
3.65	Giflib - A library for processing GIFs - 4.1.6.....	24
3.66	Gladman AES - 12-09-2011.....	24
3.67	Glib - 2.36.4, 2.38.2, 2.44.1, 2.32.4, 2.40.2, 2.0.0.....	24
3.68	GMP- GNU Multiple Precision Arithmetic Library - 4.2.1.....	24
3.69	GNU Bin Utils 2.17.50.0.12.....	24
3.70	GNU C Library - 2.19, 2.22,4.6.....	24
3.71	GNU Readline Library - 5.2.....	24
3.72	GnuPG - 1.4.7.....	25
3.73	GnuTLS - 3.3.17.1.....	25
3.74	Gst-fsl-plugins -3.0.11.....	25
3.75	Gst-wayland - 0.1.....	25
3.76	GSTREAMER PLUGINS-BAD - 0.10.23.....	25
3.77	GSTREAMER PLUGINS-BASE - 0.10.36.....	25
3.78	GSTREAMER PLUGINS-GOOD - 0.10.31.....	25
3.79	Gzip - 1.3.12.....	26
3.80	Half -1.11.0.....	26
3.81	HarfBuzz - 1.0.2,0.9.18.....	26
3.82	HFS Utilities - 3.2.6.....	26
3.83	Hidapi - 0.6.0.....	26
3.84	Hostapd - IEEE 802.11 AP & IEEE 802.1X/WPA/WPA2/EAP/RADIUS Authenticator -2.6.....	26
3.85	ICU - International Components for Unicode - 2.4, 4.6.1, 55.1 26	
3.86	Info-ZIP project - 3.0.....	26
3.87	IP Tables - 1.4.21.....	27
3.88	ISC BIND - 9.10.2-P4.....	27
3.89	ISC DHCP - 4.3.2.....	27
3.90	JSON-C - 0.12,0.12.99.....	27
3.91	Keyutils - 1.5.5, 1.5.8.....	27
3.92	Kernel Configuration System.....	27
3.93	Khronos Group - OpenGL ES - 3.0,2.0.....	27
3.94	Kmod - 21,4.....	28
3.95	Lib Cap - 2.24.....	28

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 4


3.96	libaio - 0.3.109-r2	28
3.97	Libcroco -0.6.8	28
3.98	Libbsd - 0.7.0	28
3.99	Libconfig Configuration File Library - 1.5	28
3.100	Libbacktarce	28
3.101	Libktx -2.0	28
3.102	Libdaemon - 0.14	29
3.103	Libdrm - 2.4.68	29
3.104	Libffi - 3.2.1	29
3.105	Libevent - an asynchronous event library - 2.0.22 Stable ...	29
3.106	Libgcrypt - 1.6.3	29
3.107	Libgpg-error Lib - 1.19	29
3.108	Libjpeg - 8b, 8d, 9	29
3.109	Libmtp - 1.1.5, 1.1.6	29
3.110	Libnettle - 3.1.1	30
3.111	Libnfsidmap - 0.25	30
3.112	Libusb-gx - 0.1.5, 0.1.0	30
3.113	Libnl - Netlink Library - 3.2.25	30
3.114	Libogg - 1.3.2	30
3.115	Librsvg - 2.40.16	30
3.116	Libsndfile - 1.0.27, 1.0.25	30
3.117	Libsoup - 2.50.0	31
3.118	Libtaginfo - 0.1.6	31
3.119	Libtheora - 1.1.1	31
3.120	Libtiff - 4.0.4	31
3.121	Libtirpc- 0.2.4, 0.2.5	31
3.122	LIBUNIBREAK - 2.1	31
3.123	Libunwind - 1.1, 0.99	31
3.124	Libusb - 1.0.19, 1.0	32
3.125	Libvorbis - 1.3.5	32
3.126	LibX11 - 1.6.1	32
3.127	libxml2 - 2.9.2	32
3.128	Libxkbcommon - 0.5.0	32

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 5


3.129	Libxslt - 1.1.28	32
3.130	Lighttpd - 1.4.36	32
3.131	Linux Resource Containers	32
3.132	Linux Diagnostic Tools - sysfsutils - 2.1.0	33
3.133	Linux DiskQuota - 4.0.2	33
3.134	Linux Kernel - 3.14.79	33
3.135	Lmbench - 3.0-a9	33
3.136	Linux PTP- 1.4	33
3.137	LTTng - 2.6.0	33
3.138	Lua - Post 4.x -5.2.3,5.3.3	33
3.139	LZO - 2.06	34
3.140	MDNSResponder - 625.41.2-r1	34
3.141	Mosquitto: an mqtt message broker - 1.3.4,1.4.13	34
3.142	Mozilla Thunderbird	34
3.143	Mtd-utils - 1.5.1	34
3.144	Mtdev - 1.1.3	34
3.145	Ncurses - 5.9	34
3.146	Netscape Portable Runtime (NSPR) - 4.10.8	34
3.147	NFS - nfs-utils - 1.3.1	34
3.148	NTFS-3G Read/Write Driver - 2013.1.13	35
3.149	nss-mdns -0.10	35
3.150	OFono - 1.16	35
3.151	Osgearth	35
3.152	Open Scene Graph - 3.2.2, 3.2.0	35
3.153	OpenSSH - 7.1p2	35
3.154	OpenSSL - 1.0.2n	35
3.155	Opkg - 0.3.0	36
3.156	P7v - 0.2-r2	36
3.157	PCRE - 8.37, 5.0	36
3.158	Perl - 5.22.0	36
3.159	Pkg Config - 0.28	36
3.160	PNG reference library - 1.6.10, 1.4.5, 1.6.8, 1.5.13,1.6.19	36
3.161	Poly2tri	36

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 6


3.162	Popt - 1.16	37
3.163	PostgreSQL Database Server - 9.4.4	37
3.164	PPP - Pauls PPP Package - 2.4.7	37
3.165	Protobuf - 2.3.0	37
3.166	protobuf-c -1.2.1	37
3.167	Psmisc - 22.21	37
3.168	PulseAudio - 6.0	37
3.169	Python - 2.7.9,2.7.3	37
3.170	Python bindings for Object - 2.28.3	38
3.171	RBTree algorithm	38
3.172	RPCBind - 0.2.3	38
3.173	Rsync - 2.6.9	38
3.174	SDC	38
3.175	Snappy - 1.1.3	38
3.176	Secret Rabbit Code - 0.1.8	38
3.177	Sg3_utils - 1.41	39
3.178	Shadow - 4.2.1	39
3.179	Shared Mime - 1.4	39
3.180	Speex - 1.2rc2	39
3.181	SQLite - 3.7.3, 3.5.2.5.2, 3.8.0.1, 3.5.2.7, 3.8.7.4, 3.15.0, 3.7.15	39
3.182	Squashfs - 4.2	39
3.183	SELinux reference policies	39
3.184	Strace - 4.10	39
3.185	Svg common & resource	40
3.186	System Tap - 2.9	40
3.187	Systemd - 206	40
3.188	Tadween - 1.0.4	40
3.189	TagLib - 1.9.1	40
3.190	TCP Wrappers - 7.6	40
3.191	The libpcap project - 1.6.2	40
3.192	The tcpdump project - 4.3.0	41
3.193	Threaded I/O Tester - 0.3.3	41
3.194	TinyXML - 2.6.2	41

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 7


3.195	TomTom International B.V -1.7	41
3.196	Totem Playlist Parser - 3.4.5	41
3.197	Trace-cmd - 2.5.3	41
3.198	Tslib - 1.1	41
3.199	UBoot	42
3.200	Unzip - 6.0	42
3.201	USB Utils - 008	42
3.202	Util-Linux - 2.23.2	42
3.203	UUID	42
3.204	WavPack Lossless Audio Compressor - 4.60.1	42
3.205	Wayland - 1.2.0	42
3.206	Wireless-tools - 30	42
3.207	Wpa_supplicant - IEEE 802.1X, WPA, WPA2, RSN, IEEE 802.11i-2.6 43	
3.208	Xml parser generator	43
3.209	XZ Utils - 5.2.1	43
3.210	Yajl - 2.0.1, 2.1.0	43
3.211	Zlib - 1.2.3, 1.2.6, 1.1.4, 1.2.7, 1.2.8, 1.2.11	43
3.212	Atomic_ops - 7.4.0	43
3.213	Jsoncpp - 1.6.5	43
3.214	Dnsmasq 2.78	43
3.215	Qt - 5.2.1	44
3.216	Qt- 5.6.1	44
3.217	GConf - 3.2.6	44
3.218	Plugixml - 1.2	44
3.219	Pugixml - 1.0	45
3.220	Sbc - Bluetooth Low-complexity Subband Codec Library 1.3 ...	45
3.221	Boost C++ Libraries - 1.50.0	45
3.222	RapidXml - 1.13	45
3.223	HMI_Daemon	45
3.224	GENIVI Audio Manager - MIT	45
3.225	Hostapd- 2.6	45
3.226	Templatized C++ Command Line Parser - 1.2.1	45
3.227	v4utils_gpl2.0 - 1.6.2	46

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 8


3.228	v4utils_LGPL2.1-	1.6.2	46
3.229	v4utils_libv4l -	1.6.2	46
3.230	v4utils_libv4l2rds -	1.6.2	46
3.231	v4utils_libdvbv5-	1.6.2	46
3.232	libblkid -	2.26.2	46
3.233	libevdev -	1.3.1	46
3.234	libsigt++ -	2.2.0,2.2.11	47
3.235	Iw-	4.1	47
3.236	Libarchive -	3.2.1	47
3.237	Brotli -	0.1.1	47
3.238	CRDA-	3.18	47
3.239	Dleyna-connector-dbus	-0.3.0	47
3.240	Dleyna-core -	0.6.0	47
3.241	Dleyna-renderer -	0.6.0	48
3.242	Dleyna-server -	0.6.0	48
3.243	GSSDP -	0.14.14	48
3.244	GUPnP -	0.20.16	48
3.245	GUPnP-AV -	0.12.8	48
3.246	GUPnP-DLNA -	0.10.4	48
3.247	i2c-tools-	3.1.2	49
3.248	Libgee -	0.18.0	49
3.249	Libgudev -	230	49
3.250	Libinput-	0.21.0	49
3.251	Libjpeg-turbo -	1.4.1	49
3.252	Libmediaart -	2.0	49
3.253	Lz4 Command Line Interface	-r128	49
3.254	Mozilla NSS -	3.19.2	50
3.255	Opus -	1.1	50
3.256	Persistence-common-object		50
3.257	Persistence-administrator -	1.0.5	50
3.258	Procps -	3.3.10	50
3.259	Rygel - DLNA Media Server -	0.30.1	50
3.260	NeuQuant - Neural Image Quantization		50

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 9


3.261	murmurhash3 - r151	51
3.262	OGRE O - O Graphics Rendering Engine - 1.7.0	51
3.263	RFC1321-based (RSA-free) MD5 library -1.6	51
3.264	Rapidjson - 1.1.0	51
3.265	UTF-8 CPP	51
3.266	Util-unix-ng -2.26.2	51
3.267	Traffic Signs Germany - since 2009	51
3.268	Cryptopp	51
3.269	GCC- 3.0	52
3.270	GNU Libtool - 2.2.2	52
3.271	libjpeg-turbo -1.5.0	52
3.272	ThreadPool	52
3.273	7-Zip LZMA SDK	52
4	License Terms & Condition	52
4.1	Academic Free License v2.1	52
4.2	Apache License v2.0	56
4.3	Apple Public Source License 1.1	60
4.4	License for Delaunay-Triangulation	67
4.5	Eclipse Public License - v 1.0	67
4.6	Bison with GPL 3.0 Exception	71
4.7	BSD 2-clause License	80
4.8	BSD 3-clause License	80
4.9	Boost Software License 1.0	81
4.10	Bzip2 License	82
4.11	Curl License	82
4.12	Expat License	83
4.13	Festival Speech Synthesis System License	83
4.14	Fine Free File Command License	85
4.15	GCC Runtime Library Exception 3.1 to GPL	86
4.16	GPL V2.0	100
4.17	GPL V2.0 only	108
4.18	ISC License	113
4.19	Info-ZIP Updated License	114

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 10


4.20	ICU License	115
4.21	FreeImage Public License 1.0	116
4.22	JPEG License	122
4.23	LGPLv2.0 License	124
4.24	LGPLv2.1 License	135
4.25	Libpng license	147
4.26	Libtheora License	149
4.27	Libxml2 License	149
4.28	LUA license	150
4.29	MIT License	151
4.30	MPL v2.0	151
4.31	Open Group License	160
4.32	OpenSSL Combined License	160
4.33	PCRE 5 License	163
4.34	PostgreSQL License	165
4.35	Python License 2.0	165
4.36	Silicon Graphics License	170
4.37	TCP Wrappers License	170
4.38	The FreeType Project License	171
4.39	Tiff License	174
4.40	Unicode License	175
4.41	X Consortium Liccense	176
4.42	zlib License	176
4.43	OpenSceneGraph Public License	177
4.44	Public Domain	184
4.45	GNU Library General Public License v2 or later	184
4.46	X11 License	193
4.47	Apache License Version 1.1	193
4.48	INFO-ZIP License	195
4.49	Artistic License 1.0	195
4.50	The Qt company LGPL Exception version 1.1	197
4.51	NeuQuant Neural-Net Quantization Algorithm License	198
4.52	copyleft-next 0.3.0	198

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 11

4.53 Stunnel GPL 2.0 with Exception License.....	201
4.54 BSD-like license (libktx)	208
4.55 OSGEARTH SOFTWARE LICENSE.....	211
5. Other Open Source Dependencies:.....	213
5.1.1 X Windows - XFree86 1.9.....	213
5.1.2. Zlib - 1.1.4.....	213
5.1.3.OpenSSL - 0.9.8x.....	213
5.1.4.SHA.....	213
5.1.5.AES.....	213
5.1.6.EAX.....	214
5.1.7.Expat - 2.0.1.....	214
5.1.8.Libpng - 1.2.40.....	214
5.1.9.Libzip - 0.9.....	214
5.1.10.JPEG - 6b.....	214
5.1.11 Libjpegturbo - 1.2.1.....	214
5.1.12 GCC libstdc++ - 4.1.2.....	214
5.1.13 Keysymdef.....	214
5.1.14 Endian.....	215
5.1.15 JRTPLIB - 3.9.1.....	215
5.1.16 JThread - 1.3.1.....	215
5.1.17 Portaudio - 1.9.....	215
5.1.18 Libxml2 - 2.9.1.....	215
5.1.19 Miniupnpc - 1.5.....	215
5.1.21 LibTomCrypt - 1.16.....	215
5.1.22 LibTomMath - 0.39.....	215
5.1.23 Base64.java - 2.3.5.2.....	216
5.1.24 Internal Android OS APIs.....	216
5.1.25 ExtractMpeg FramesTest. java.....	216
5.1.26 Libupnp (pupnp) - 1.6.19.....	216
5.1.27 Libxml2 - 2.9.1.....	216
5.1.28 OpenSSL - 0.9.8x.....	216

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 12

5.1.29 Wpa_suplicant - 2.3.....	216
5.1.30 Pythonpsutil_2.1.3.bb.....	216
5.1.31 Android SupportLibraries - 19.0.0.....	217
5.1.33 axTLS - 1.1.8.....	217
5.1.34 Action - 0.1.1.....	217
5.1.35 Android - platform - frameworks - base - 4.0.1_r1.....	217
5.1.36 Android - platform - prebuilts - sdk - 4.4_r1.....	217
5.1.37 Android SDK Support Libraries - 19,23.1.1.....	217
5.2 Licensing, copyright, acknowledgements, and modifications	221
5.2.1 X Windows	221
5.2.1.1 The Open Group	221
5.2.1.2 Digital Equipment Corporation	222
5.2.1.3 Digital Equipment Corporation - Panoramix components	222
5.2.2 Zlib	223
5.2.3 OpenSSL	223
5.2.3.1 The OpenSSL Project	223
5.2.3.2 Eric Young	225
5.2.3.3 RealVNC modifications to OpenSSL	226
5.2.4 SHA	226
5.2.4.1 Dr Brian Gladman	226
5.2.4.2 Cameron Rich	227
5.2.5 AES	227
5.2.6 EAX	228
5.2.7 libjpeg-turbo	228
5.2.8 expat	229
5.2.9 libpng	230
5.2.10 libzip	232
5.2.10.2 Free Software Foundation	233
5.2.10.4 RealVNC modifications to libzip	234
5.2.11 FreeType	234
5.2.11.1 Definitions	234
5.2.11.2 No Warranty	234
5.2.11.3 Redistribution	235
5.2.11.4 Advertising	235
5.2.12 LodePNG	235
5.2.13 GCC libstdc++	236
5.2.14 keysymdef	236
5.2.15 Endian	237

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 13


5.2.16 JRTPLIB	237
5.2.17 JThread	238
5.2.18 portaudio	238
5.2.19 libxml2	239
5.2.19.1 License	239
5.2.19.2 hash.c	239
5.2.19.3 list.c	240
5.2.19.4 trio.c, trio.h	240
5.2.19.5 RealVNC modifications to libxml2	240
5.2.20.1 Copyright notice	240
5.2.20.2 License	240
5.2.21 LibTomCrypt	241
5.2.22 LibTomMath	242
5.2.23 Base64.java	242
5.2.24 Internal Android OS APIs	242
5.2.25 ExtractMpegFramesTest.java	242
5.2.26 libupnp (pupnp)	242
5.2.27 libudev	244
5.2.28 WPA Supplicant	244
5.2.28.2 ath9k_fafl64_backport.patch	245
5.2.28.3 python-psutil_2.1.3.bb	245
5.2.29 Android Support Libraries	246
5.2.30 VNC Wi-Fi Display i.MX6 sample decoder	246
5.2.31 mxcfb.h	246
5.2.32 axTLS	247

1 Overview


This document contains the Open Source Software licenses used in NISSAN NCG3 project.

The packages are either used completely or only some parts within a package are used. The applicable license is listed depending on whether the complete package is used or only parts of the package are used.

2 OSS Licenses used in the project

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 14

License name	Terms and conditions
Academic Free License 2.1	Refer section 4.1
Apache License 2.0	Refer section 4.2
Apple Public Source License 1.1	Refer section 4.3
License for Delaunay-Triangulation	Refer section 4.4
Eclipse Public License - v 1.0	Refer section 4.5
Bison with GPL 3.0 Exception	Refer section 4.6
BSD 2-clause	Refer section 4.7
BSD 3-clause	Refer section 4.8
Boost Software License 1.0	Refer section 4.9
Bzip2 License	Refer section 4.10
Curl License	Refer section 4.11
Expat License	Refer section 4.12
Festival Speech Synthesis System License	Refer section 4.13
Fine Free File Command License	Refer section 4.14
GCC Runtime Library Exception 3.1 to GPL 3.0	Refer section 4.15
GPL V2.0 or later	Refer section 4.16
GPL V2.0 only	Refer section 4.17
ISC License	Refer section 4.18
Info-ZIP Updated License	Refer section 4.19
ICU license	Refer section 4.20
FreeImage Public License 1.0	Refer section 4.21
JPEG License	Refer section 4.22
LGPLv2.0 License	Refer section 4.23
LGPLv2.1 License	Refer section 4.24
Libpng license	Refer section 4.25
Libtheora License	Refer section 4.26
Libxml2 License	Refer section 4.27
Lua License	Refer section 4.28
MIT License	Refer section 4.29
Mozilla Public License 2.0	Refer section 4.30
Open Group License	Refer section 4.31
OpenSSL Combined License	Refer section 4.32
PCRE 5 License	Refer section 4.33
PostgreSQL License	Refer section 4.34
Python License 2.0	Refer section 4.35
Silicon Graphics New License	Refer section 4.36
TCP Wrappers License	Refer section 4.37
The FreeType Project LICENSE	Refer section 4.38
Tiff License	Refer section 4.39
Unicode License	Refer section 4.40
X Consortium License	Refer section 4.41
zlib License	Refer section 4.42

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 15

OpenSceneGraph Public License	Refer section 4.43
INFO-ZIP License	Refer section 4.48
Public Domain	Refer section 4.44
GNU Library General Public License v2 or later	Refer section 4.45
X11 License	Refer section 4.46
Apache License Version 1.1	Refer section 4.47
Info-Zip License	Refer section 4.48
Artistic License Version 1.0	Refer section 4.49
The Qt Company LGPL Exception version 1.1	Refer section 4.50
NeuQuant Neural-Net Quantization Algorithm License	Refer section 4.51
Copyleft-next 0.3.0	Refer section 4.52
stunnel GPL 2.0 with Exception License	Refer section 4.53
BSD-like license (libktx)	Refer section 4.54
OSGEOGRAPH SOFTWARE LICENSE	Refer section 4.55

3 Package details for OSS Licenses usage

3.1 AES - Advanced Encryption Standard – 1.0

Available under the license: Zlib License
 Copyright (c): 2000-2005 Chris Lomont
 Terms and Conditions: Refer section 4.42

3.2 ACL - 2.2.52


Available under the license: LGPL v2.1
 Copyright (c): 1999, 2000 Andreas Gruenbacher,
 Terms and Conditions: Refer Section 4.24

3.3 Alsa Libraries - 1.0.29

Available under the license: LGPL v2.1
 Copyright (c): 2000 by Abramo Bagnara
 Copyright (c): 2010 Red Hat Inc
 Copyright (c): 1992 by Stichting Mathematisch
 Copyright (c): 2008-2010 SlimLogic Ltd
 Copyright (c): 2013 by ADIT GmbH
 Copyright (c): 2010 Red Hat Inc
 Terms and Conditions: Refer Section 4.24

3.4 Alsa Plugins - 1.0.29

Available under the license: LGPL v2.1

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 16

Copyright (c): 2006 by Pierre Ossman
Copyright (c): 2008 by Sjoerd Simons
Terms and Conditions: Refer Section 4.24

3.5 **Alsa Utils - 1.0.29**

Available under the license: GPL v2.0
Copyright (c): 2000-2004 James Courtier-Dutton
Copyright (c): 2005 Nathan Hurst.
Copyright (c): 2004-2006 Kay Sievers
Copyright (c): 2004-2006 Clemens Ladisch
Copyright (c): 1874 Lewis Carroll
Terms and Conditions: Refer Section 4.16

3.6 **APMD - 3.2.2**

Available under the license: GPL v2.0
Copyright (c): 1996, 1997 Rickard E. Faith
Terms and Conditions: Refer Section 4.16

3.7 **ATK - 2.8.0**

Available under the license: LGPL v2.1
Copyright (c): 2001 Sun Microsystems Inc.
Terms and Conditions: Refer Section 4.24

3.8 **Attr - 2.4.47**


Available under the license: GPLv2.0, LGPL v2.1
Copyright (c): 2000-2002, 2004 Silicon Graphics, Inc.
Terms and Conditions: Refer Section 4.24,4.16

3.9 **Avahi - 0.6.31**

Available under the license: LGPL v2.1
Copyright (c): 1999 Tom Tromej,
Copyright (c): 2010 Lennart Poettering,
Copyright (c): 2000 Red Hat, Inc.
Terms and Conditions: Refer Section 4.24

3.10 **Bash - 3.2.48**

Available under the license: GPL v2.0
Copyright (c): 1984-2007 Free Software Foundation, Inc.
Terms and Conditions: Refer Section 4.16

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 17

3.11 BidiReferenceCpp - 26

Available under the license: Unicode License
 Copyright (c): 1999-2009, ASMUS, Inc.
 Terms and Conditions: Refer Section 4.40

3.12 Bison - 2.5.2., 3.0.2, 3.0.4

Available under the license: GNU General Public License v3.0 or later with
 Bison exception 2.2
 Copyright (c): Free Software Foundation, Inc
 Terms and Conditions: Refer Section 4.6

3.13 BlueZ - 5.33,4.101

Available under the license: GPL v2.0, MIT, LGPL V2.1
 Copyright (c): 2010 Nokia Corporation
 Copyright (c): 2002-2003 Jean Tourrilhes
 Terms and Conditions: Refer Section 4.16, 4.29, 4.24

3.14 Btrfs-progs – 4.1.2

Available under the license: GPL v2.0 only
 Copyright (c): 2007 Oracle. All rights reserved.
 Copyright (c): 2012 Alexander Block
 Copyright (c): 2013,2014 SUSE
 Terms and Conditions: Refer Section 4.17

3.15 Busybox - 1.24.1


Available under the license: GPL v2.0 only, MIT, LGPL V2.1
 Copyright (c): 1999-2004 by Erik Andersen
 Copyright (c): 2006 by Rob Sullivan,
 Copyright (c): 2000 by Matt Kraai
 Terms and Conditions: Refer Section 4.17,4.29, 4.24

3.16 Bzip2 - 1.0.6

Available under the license: Bzip2 License
 Copyright (c): 1996-2010 Julian Seward
 Terms and Conditions: Refer Section 4.10

3.17 Cairo Vector Graphics Library - 1.14.2

Available under the license: LGPL v2.1 or MPL1.1
 Copyright (c): 2002 University of Southern California

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 18

Copyright (c): 2004 Carl Worth.
Terms and Conditions: Refer Section 4.24

3.18 Cairo-Pixman - 0.32.6

Available under the license: MIT license
Copyright (c): 2000 SuSE, Inc
Copyright (c): 2007 Red Hat, Inc
Copyright (c): 2009 Nokia Corporation
Copyright (c): 2011 SCore Corporation
Copyright (c): 2012, Soren Sandmann
Terms and Conditions: Refer Section 4.29

3.19 Cddparanoia - 10.2

Available under the license: GPL v2.0
Copyright (c): 2008 Monty xiphmont@mit.edu
Terms and Conditions: Refer Section 4.16

3.20 Chkconfig - 1.3.59

Available under the license: GPL v2.0
Copyright (c): 1997-2009 Red Hat, Inc.
Terms and Conditions: Refer Section 4.16

3.21 CMU Sphinx - 0.7

Available under the license: BSD 2-clause License
Copyright (c): 1994-2001 Carnegie Mellon University.
Terms and Conditions: Refer Section 4.8

3.22 ConnMan - 1.35


Available under the license: GPL v2.0
Copyright (c): 2007-2012 Intel Corporation.
Copyright (c): 2012 BMW Car IT GmbH.
Terms and Conditions: Refer Section 4.16

3.23 cryptodev-linux – 1.8

Available under the license: Public Domain
Copyright (c): Angelos D. Keromytis.
Terms and Conditions: Refer Section 4.44

3.24 Crypt:Curve25519 - 0.01

Available under the license: BSD 3-clause License
Copyright (c): Copyright 2008, Google Inc.
Terms and Conditions: Refer Section 4.7

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 19

3.25 **Curl - 7.59.0,7.35.0**

Available under the license: Curl License
 Copyright (c): 1998 - 2012, Daniel Stenberg,
 Terms and Conditions: Refer Section 4.11

3.26 **CVTUTF -1.0**

Available under the license: Unicode License
 Copyright (c): 2001 Unicode, Inc
 Terms and Conditions: Refer Section 4.40

3.27 **C++ XML Parser -2.23**

Available under the license: BSD 3-clause License
 Copyright (c): Copyright (c) 2002, Frank Vanden Berghen
 Terms and Conditions: Refer Section 4.8

3.28 **Darwin Source Repository -332.25**

Available under the license: Apple Public Source License 1.1
 Copyright (c): 1996-2002, 2005 Apple Computer, Inc.
 Terms and Conditions: Refer Section 4.3

3.29 **DBus Bluetooth Daemon**

Available under the license: Academic Free License v2.1
 Copyright (c): 2010 (c) MontaVista Software, LLC.
 Terms and Conditions: Refer Section 4.1

3.30 **DBus-glib - 0.104**


Available under the license: Academic Free License v2.1, GPL V2.0
 Copyright (c): 2004 Red Hat, Inc.
 Terms and Conditions: Refer Section 4.1, 4.16

3.31 **Delaunay-Triangulation**

Available under the license: License for Delaunay-Triangulation
 Copyright (c): 1995 by AT&T.
 Terms and Conditions: Refer section 4.4

3.32 **DBUS MBS- 1.0, 1.8.20**

Available under the license: Academic Free License v2.1,GPL v2.0,MIT
 Copyright (c): 2002, 2003, 2004 Red Hat Inc.
 Terms and Conditions: Refer Section 4.1, 4.16

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 20

3.33 Dbus-python - 1.2.0

Available under the license: MIT License
 Copyright (c): 2006 Collabora Ltd.
 Terms and Conditions: Refer Section 4.29

3.34 Developer's Image Library - DevIL - 1.7.8

Available under the license: LGPL v2.1
 Copyright (c): 2000-2009 Denton Woods.
 Terms and Conditions: Refer section 4.24

3.35 Dosfstools - 2.11

Available under the license: GPL v2.0
 Terms and Conditions: Refer Section 4.16

3.36 Digest::MD4

Available under the license: Public Domain
 Terms and Conditions: Refer Section 4.44

3.37 Digest::MD5

Available under the license: Public Domain
 Terms and Conditions: Refer Section 4.44

3.38 ECNR

Available under the license: Academic Free License v2.1
 Copyright (c): 2010 MontaVista Software, LLC.
 Terms and Conditions: Refer Section 4.1

3.39 ECryptfs - 106


Available under the license: GPL v2.0
 Copyright (c): 2004-2006 IBM Corp.
 Terms and Conditions: Refer Section 4.16

3.40 Elfutils - 0.148

Available under the license: GPL v2.0 only
 Copyright (c): 2006 Red Hat, Inc.
 Terms and Conditions: Refer Section 4.17

3.41 Ethtool - 4

Available under the license: GPL v2.0
 Copyright (c): 1998 David S. Miller
 Copyright (c): 2009, 2010 Solarflare Communications.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 21

Terms and Conditions: Refer Section 4.16

3.42 **Evtest - 1.25**

Available under the license: GPL v2.0
 Copyright (c): 2009 Red Hat, Inc
 Copyright (c): 1999-2000 Vojtech Pavlik
 Terms and Conditions: Refer Section 4.16

3.43 **EXIF Tag Parsing Library – libexif - 0.6.21**

Available under the license: LGPL v2.1 License
 Copyright (c): 2001 Lutz Mueller
 Terms and Conditions: Refer Section 4.24

3.44 **Expat XML Parser - 2.1.0**

Available under the license: Expat License
 Copyright (c): 1998, 1999 Thai Open Source Software Center Ltd.
 Terms and Conditions: Refer Section 4.12

3.45 **Ext2 File systems Utilities - 1.42.9**

Available under the license: GPL v2.0, LGPL v2.1
 Copyright (c): 1999 Theodore Ts'o.
 Terms and Conditions: Refer Section 4.16,4.24

3.46 **FastLZ – 0.1.0**


Available under the license: MIT License
 Copyright (c): 2005-2007 Ariya Hidayat, ariya@kde.org.
 Terms and Conditions: Refer Section 4.29

3.47 **Festival Speech Synthesis System - 2.1**

Available under the license: Festival Speech Synthesis System License
 Copyright (c): Centre for Speech Technology Research
 University of Edinburgh, UK
 Terms and Conditions: Refer Section 4.13

3.48 **File system in Userspace - 2.9.4**

Available under the license: GPL v2.0, LGPL v2.1
 Copyright (c): 2001-2007 Miklos Szeredi
 Terms and Conditions: Refer Section 4.16,4.24

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 22

3.49 Fine Free File Command - 5.24

Available under the license:	Fine Free File Command License
Copyright (c):	Ian F. Darwin 1986-1995 Software written by Ian F. Darwin and others
Terms and Conditions:	Refer Section 4.14

3.50 FLAC-Free Lossless Audio Codec - 1.2.1

Available under the license:	BSD 3-clause License
Copyright (c):	Josh Coalson.
Terms and Conditions:	Refer Section 4.8

3.51 Font Config – 2.11.94

Available under the license:	MIT License
Copyright (c):	Copyright (c) 2002 Keith Packard.
Terms and Conditions:	Refer Section 4.29

3.52 Free Image - 3.17.0

Available under the license:	FreeImage Public License v1.0
Copyright (c):	1991-1998, Thomas G. Lane
Terms and Conditions:	Refer Section 4.21

3.53 Free Type – 2.5.3 & 2.4.10, 2.6


Available under the license:	Free Type Project License, GPL v2.0, MIT
Copyright (c):	David Turner, Robert Wilhelm, and Werner Lemberg.
Terms and Conditions:	Refer Section 4.38, 4.16, 4.29

3.54 GCC C++ / libstdc++ - 5.2.0

Available under the license:	GCC Runtime Library Exception 3.1 to GPL 3.0
Copyright (c):	Free Software Foundation, Inc.
Terms and Conditions:	Refer Section 4.15

3.55 GDK-Pixbuf - 2.30.8

Available under the license:	GNU Library General Public License v2 or later
Copyright (c):	1999 The Free Software Foundation.
Terms and Conditions:	Refer Section 4.45

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 23

3.56 GENIVI Audio Manager - 1.1, 3.2, 4.2

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2012, BMW AG
 Copyright (c): 2012 Continental Automotive Systems, Inc;
 Terms and Conditions: Refer Section 4.30

3.57 GENIVI Audio Manager –MIT 1.1, 3.2

Available under the license: MIT
 Terms and Conditions: Refer Section 4.29

3.58 GENIVI Node Health Monitor – 1.3.5

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2013 Continental Automotive Systems, Inc.
 Terms and Conditions: Refer Section 4.30

3.59 GENIVI Diagnostic Log and Trace Daemon - 2.10.0, 2.16.0, 2.11.1

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2012, BMW AG.
 Terms and Conditions: Refer Section 4.30

3.60 GENIVI IPC CommonAPI C++ DBus Runtime - 2.0.6

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2013 BMW Group
 Terms and Conditions: Refer Section 4.30

3.61 GENIVI IPC CommonAPI C++ Runtime – 3.1.3


Available under the license: Mozilla Public License 2.0
 Copyright (c): 2013 BMW Group
 Terms and Conditions: Refer Section 4.30

3.62 GENIVI IVI Layer Management – 0.9.7 & 1.2.0, 0.9.9

Available under the license: Apache License 2.0
 Copyright (c): 2012 BMW Car IT GmbH
 Terms and Conditions: Refer Section 4.2

3.63 GENIVI Node Startup Controller - 1.0.2

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2012 GENIVI.
 Terms and Conditions: Refer Section 4.30

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 24

3.64 GENIVI Node State Manager – 2.0.0

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2013 Continental Automotive Systems, Inc.
 Terms and Conditions: Refer Section 4.30

3.65 Giflib - A library for processing GIFs - 4.1.6

Available under the license: X Consortium License
 Copyright (c): Gershon Elber, IBM PC Ver 0.1, Jun. 1989
 Terms and Conditions: Refer Section 4.41

3.66 Gladman AES – 12-09-2011

Available under the license: BSD 2-clause License
 Copyright (c): 2010, Brian Gladman, Worcester, UK.
 Terms and Conditions: Refer Section 4.7

3.67 Glib - 2.36.4, 2.38.2, 2.44.1, 2.32.4, 2.40.2, 2.0.0

Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 1995-1997 Peter Mattis, Kimball and Josh MacDonald
 Terms and Conditions: Refer Section 4.45

3.68 GMP- GNU Multiple Precision Arithmetic Library – 4.2.1

Available under the license: LGPL v2.1
 Copyright (c): 1991- 2014 Free Software Foundation, Inc.
 Terms and Conditions: Refer Section 4.24

3.69 GNU Bin Utils 2.17.50.0.12


Available under the license: GPL v2.0
 Copyright (c): Free Software Foundation, Inc.
 Terms and Conditions: Refer Section 4.16

3.70 GNU C Library – 2.19, 2.22, 4.6

Available under the license: LGPL v2.1
 Copyright (c): 1995-2012 Free Software Foundation, Inc
 Terms and Conditions: Refer Section 4.24

3.71 GNU Readline Library - 5.2

Available under the license: GPL v2.0

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 25

Copyright (c): Free Software Foundation, Inc
Terms and Conditions: Refer Section 4.16

3.72 **GnuPG - 1.4.7**

Available under the license: GPL v2.0
Copyright (c): Free Software Foundation, Inc
Terms and Conditions: Refer Section 4.16

3.73 **GnuTLS – 3.3.17.1**

Available under the license: LGPL v2.1
Copyright (c): Free Software Foundation, Inc.
Terms and Conditions: Refer Section 4.24

3.74 **Gst-fsl-plugins -3.0.11**

Available under the license: GNU Library General Public License v2 or later, LGPL V2.1
Copyright (c): 2008-2012, Freescale Semiconductor, Inc.
Terms and Conditions: Refer Section 4.45,4.24

3.75 **Gst-wayland - 0.1**

Available under the license: GNU Library General Public License v2 or later
Copyright (c): 2012 Mentor Graphics Corporation
2011 Intel Corporation
Terms and Conditions: Refer Section 4.45

3.76 **GSTREAMER PLUGINS-BAD - 0.10.23**


Available under the license: LGPL v2.1, GPL v2.0
Copyright (c): 2011 Intel Corporation
Copyright (c): 2012 Mentor Graphics Corporation
Terms and Conditions: Refer Section 4.24, 4.16

3.77 **GSTREAMER PLUGINS-BASE - 0.10.36**

Available under the license: LGPL v2.1
Copyright (c): 2005 David Schleeff
Terms and Conditions: Refer Section 4.24

3.78 **GSTREAMER PLUGINS-GOOD - 0.10.31**

Available under the license: LGPL v2.1
Copyright (c): 2004 Benjamin Otte
Terms and Conditions: Refer Section 4.24

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 26

3.79 Gzip - 1.3.12

Available under the license: GPL v2.0
Terms and Conditions: Refer Section 4.16

3.80 Half -1.11.0

Available under the license: MIT License
Copyright (c): 2012-2013 Christian Rau
Terms and Conditions: Refer Section 4.29

3.81 HarfBuzz – 1.0.2,0.9.18

Available under the license: MIT License
Copyright (c): 2009 Red Hat, Inc.
Terms and Conditions: Refer Section 4.29

3.82 HFS Utilities - 3.2.6

Available under the license: GPL v2.0
Copyright (c): 1996-1998 Robert Leslie
Terms and Conditions: Refer Section 4.16

3.83 Hidapi – 0.6.0

Available under the license: BSD 2-Clause
Copyright (c): 2009, All Rights Reserved
Terms and Conditions: Refer Section 4.7

3.84 Hostapd - IEEE 802.11 AP & IEEE 802.1X/WPA/WPA2/EAP/RADIUS Authenticator -2.6


Available under the license: BSD 3-Clause, GPL v2.0
Copyright (c): 2003-2015, Jouni Malinen
Copyright (c): Devicescap Software, Inc,
Terms and Conditions: Refer Section 4.8,4.16

3.85 ICU - International Components for Unicode – 2.4, 4.6.1, 55.1

Available under the license: ICU License
Copyright (c): 1997-2011, International Business
Terms and Conditions: Refer Section 4.20

3.86 Info-ZIP project - 3.0

Available under the license: Info-ZIP Updated License
Copyright (c): 1990-2008 Info-ZIP.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 27

Terms and Conditions:

Refer Section 4.48

3.87 IP Tables - 1.4.21

Available under the license:

GPL v2.0

Copyright (c):

2000-2006 by the netfilter coreteam

Terms and Conditions:

Refer Section 4.16

3.88 ISC BIND - 9.10.2-P4

Available under the license:

ISC License

Copyright (c):

2004-2007, 2009 Internet Systems Consortium,

Terms and Conditions:

Refer Section 4.18

3.89 ISC DHCP - 4.3.2

Available under the license:

ISC License

Copyright (c):

2009-2010, 2012 Internet Systems Consortium, Inc. ("ISC")

Terms and Conditions:

Refer Section 4.18

3.90 JSON-C - 0.12,0.12.99

Available under the license:

MIT License

Copyright (c):

2004, 2005 Metaparadigm Pte. Ltd

Terms and Conditions:

Refer Section 4.29

3.91 Keyutils - 1.5.5, 1.5.8

Available under the license:

LGPL V2.1

Copyright (c):

2005, 2011 Red Hat, Inc.

Terms and Conditions:

Refer Section 4.24

3.92 Kernel Configuration System

Available under the license:

GPL v2.0

Terms and Conditions:

Refer Section 4.16

3.93 Khronos Group - OpenGL ES – 3.0,2.0

Available under the license:


MIT License

Copyright (c):

2007-2009 The Khronos Group Inc

Terms and Conditions:

Refer Section 4.29

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 28

3.94 **Kmod - 21,4**

Available under the license: GNU Lesser General Public License v2.1 or later
Copyright (c): 2011-2012 ProFUSION embedded systems
Terms and Conditions: Refer Section 4.24

3.95 **Lib Cap - 2.24**

Available under the license: BSD 3-clause License
Copyright (c): 1997-8 Andrew G Morgan
Terms and Conditions: Refer Section 4.8

3.96 **libaio - 0.3.109-r2**

Available under the license: GNU Library General Public License v2 or later
Copyright (c): 2002 Red Hat, Inc.
Terms and Conditions: Refer Section 4.45

3.97 **Libcroco -0.6.8**

Available under the license: LGPL v2.1
Copyright (c): 2002-2003 Dodji Seketeli
Terms and Conditions: Refer Section 4.24

3.98 **Libbsd - 0.7.0**

Available under the license: BSD 3-clause License
Copyright (c): 1996, David Mazieres
Terms and Conditions: Refer Section 4.8

3.99 **Libconfig Configuration File Library – 1.5**


Available under the license: LGPL v2.1
Copyright (c): 2005-2014 Mark A Lindner.
Terms and Conditions: Refer Section 4.24

3.100 **Libbacktarce**

Available under the license: BSD 3 Clause
Copyright (c): 2012-2016 Free Software Foundation, Inc
Terms and Conditions: Refer Section 4.8

3.101 **Libktx -2.0**

Available under the license: BSD-like license (libktx)
Copyright (c): 2005 Ericsson AB (c) 2003-2010, Troy D.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 29

Terms and Conditions: Refer Section 4.53

3.102 **Libdaemon - 0.14**

Available under the license: GNU Lesser General Public License v2.1 or later
 Copyright (c): 2003-2008 Lennart Poettering.
 Terms and Conditions: Refer Section 4.24

3.103 **Libdrm - 2.4.68**

Available under the license: MIT License
 Copyright (c): 1999 Precision Insight, Inc.
 Copyright (c): 2000 VA Linux Systems, Inc.
 Terms and Conditions: Refer Section 4.29

3.104 **Libffi - 3.2.1**

Available under the license: MIT License
 Copyright (c): 2007, 2009, 2010 Red Hat, Inc.
 Terms and Conditions: Refer Section 4.29

3.105 **Libevent - an asynchronous event library – 2.0.22 Stable**

Available under the license: BSD 3 Clause
 Copyright (c): 2000-2007 Niels Provos
 Terms and Conditions: Refer Section 4.8

3.106 **Libgcrypt - 1.6.3**

Available under the license: LGPL v2.1
 Copyright (c): Free Software Foundation, Inc
 Terms and Conditions: Refer Section 4.24

3.107 **Libgpg-error Lib - 1.19**


Available under the license: LGPL v2.1 License
 Copyright (c): 2003, 2004, 2010 g10 Code GmbH
 Terms and Conditions: Refer Section 4.24

3.108 **Libjpeg – 8b, 8d, 9**

Available under the license: Independent JPEG Group License
 Copyright (c): 1994-1998, Thomas G. Lane.
 Terms and Conditions: Refer Section 4.22

3.109 **Libmtp - 1.1.5, 1.1.6**

Available under the license: LGPL v2.1

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 30

Copyright (c): 2005-2011 Linus Walleij
Terms and Conditions: Refer Section 4.24

3.110 **Libnettle – 3.1.1**

Available under the license: GPL V2.0 ,MIT
Copyright (c): 2002 Niels Moller
Terms and Conditions: Refer Section 4.16

3.111 **Libnfsidmap - 0.25**

Available under the license: BSD 3-clause License
Copyright (c): 2004 The Regents of the University of Michigan.
Terms and Conditions: Refer Section 4.8

3.112 **Libusb-gx – 0.1.5, 0.1.0**

Available under the license: LGPL v2.1
Copyright (c): 2013 Linaro Limited
Terms and Conditions: Refer Section 4.24

3.113 **Libnl - Netlink Library - 3.2.25**

Available under the license: LGPL v2.1
Copyright (c): 2003-2012 Thomas Graf
Terms and Conditions: Refer Section 4.24

3.114 **Libogg - 1.3.2**


Available under the license: BSD 3-clause License
Copyright (c): 1994-2010 Xiph.Org Foundation
Terms and Conditions: Refer Section 4.8

3.115 **Librsvg – 2.40.16**

Available under the license: GNU Library General Public License v2 or later
Copyright (c): 2010,2011 Christian Persch
Terms and Conditions: Refer Section 4.45

3.116 **Libsndfile - 1.0.27, 1.0.25**

Available under the license: LGPL v2.1
Copyright (c): 1999-2011 Erik de Castro Lopo
Copyright (c): 2005 David Viens
Terms and Conditions: Refer Section 4.24

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 31

3.117 Libsoup - 2.50.0

Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 2010 Red Hat, Inc.
 Terms and Conditions: Refer Section 4.45

3.118 Libtaginfo – 0.1.6

Available under the license: LGPLv2.1
 Copyright (c): 2008-2013 J.Rios
 Copyright (c): 2013 -2014 Jorn Magens
 Terms and Conditions: Refer section 4.24

3.119 Libtheora - 1.1.1

Available under the license: libtheora License
 Copyright (c): 2002-2009 Xiph.Org Foundation
 Terms and Conditions: Refer Section 4.26

3.120 Libtiff - 4.0.4

Available under the license: Tiff License
 Copyright (c): 1991-1997 Sam Leffler.
 Copyright (c): 1991-1997 Silicon Graphics, Inc.
 Terms and Conditions: Refer Section 4.39

3.121 Libtirpc- 0.2.4, 0.2.5


Available under the license: BSD 3-Clause
 Copyright (c): Copyright (c) 1984, 2009, Sun Microsystems, Inc.
 Terms and Conditions: Refer Section 4.8

3.122 LIBUNIBREAK – 2.1

Available under the license: Zlib License
 Copyright (c): 2008-2012 Wu Yongwei
 Copyright (c): 2012 Tom Hacoen
 Terms and Conditions: Refer Section 4.42

3.123 Libunwind - 1.1, 0.99

Available under the license: MIT License
 Copyright (c): 2008 CodeSourcery
 Terms and Conditions: Refer Section 4.29

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 32

3.124 **Libusb - 1.0.19, 1.0**

Available under the license: LGPL v2.1
 Copyright (c): 2007-2008 Daniel Drake
 Copyright (c): 2001 Johannes Erdfelt
 Terms and Conditions: Refer Section 4.24

3.125 **Libvorbis - 1.3.5**

Available under the license: BSD 3-clause License
 Copyright (c): 1994-2007 Xiph.Org Foundation
 Terms and Conditions: Refer Section 4.8

3.126 **LibX11 - 1.6.1**

Available under the license: X11 License
 Copyright (c): 1986, 1998 The Open Group
 Terms and Conditions: Refer Section 4.46

3.127 **libxml2 – 2.9.2**

Available under the license: Lbxml2 License
 Copyright (c): 2000,2012 Bjorn Reese and Daniel Veillard
 Terms and Conditions: Refer Section 4.27

3.128 **Libxkbcommon - 0.5.0**

Available under the license: MIT License
 Copyright (c): 1989, 1998 The Open Group
 Terms and Conditions: Refer Section 4.29

3.129 **Libxslt - 1.1.28**


Available under the license: MIT License
 Copyright (c): 2001-2002 Daniel Veillard
 Terms and Conditions: Refer Section 4.29

3.130 **Lighttpd - 1.4.36**

Available under the license: BSD 3-clause License
 Terms and Conditions: Refer Section 4.8

3.131 **Linux Resource Containers**

Available under the license: LGPL v2.1
 Copyright (c): 2012,2013 Serge Halryn

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 33

Copyright (c): 2014 Tycho Andersen
 Copyright (c): 2015,2016 Christian Brauner
 Copyright (c): 2014-2015,2016 Canonical Ltd
 Terms and Conditions: Refer Section 4.24

3.132 **Linux Diagnostic Tools – sysfsutils - 2.1.0**

Available under the license: LGPL v2.1
 Copyright (c): IBM Corp. 2003-2005
 Terms and Conditions: Refer Section 4.24

3.133 **Linux DiskQuota - 4.0.2**

Available under the license: GPL v2.0
 Copyright (c): 1980, 1990 Regents of the University of California.
 All rights reserved.
 Terms and Conditions: Refer Section 4.16

3.134 **Linux Kernel – 3.14.79**

Available under the license: GPL v2.0 Only
 Copyright (c): 1999 Andrea Arcangeli
 Copyright (c): 2002 David Woodhouse
 Copyright (c): 2012 Michel Lespinasse
 Terms and Conditions: Refer Section 4.17

3.135 **Lmbench - 3.0-a9**

Available under the license: GPL v2.0 only
 Terms and Conditions: Refer Section 4.17

3.136 **Linux PTP- 1.4**


Available under the license: GPL v2.0
 Copyright (c): 2011,2012,2013, Richard Cochran
 Terms and Conditions: Refer Section 4.16

3.137 **LTTng - 2.6.0**

Available under the license: GPL v2.0
 Copyright (c): 2004 Nik Clayton
 Terms and Conditions: Refer Section 4.16

3.138 **Lua - Post 4.x -5.2.3,5.3.3**

Available under the license: Lua License
 Copyright (c): 1994–2013 Lua.org, PUC-Rio
 Terms and Conditions: Refer section 4.28

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 34

3.139 **LZO - 2.06**

Available under the license: GPL v2.0
 Copyright (c): 1996 Markus Franz Xavier Johannes
 Terms and Conditions: Refer Section 4.16

3.140 **MDNSResponder - 625.41.2-r1**

Available under the license: Apache License.2.0
 Copyright (c): 2011 Apple Inc. All rights reserved.
 Terms and Conditions: Refer Section 4.2

3.141 **Mosquitto: an mqtt message broker - 1.3.4,1.4.13**

Available under the license: BSD 3-clause License, EPL1.0
 Copyright (c): 2009,2010 Roger Light
 Terms and Conditions: Refer Section 4.8, 4.5

3.142 **Mozilla Thunderbird**

Available under the license: Mozilla Public License 2.0
 Terms and Conditions: Refer Section 4.30

3.143 **Mtd-utils - 1.5.1**

Available under the license: GPL v2.0
 Terms and Conditions: Refer Section 4.16

3.144 **Mtdev - 1.1.3**

Available under the license: MIT License
 Copyright (c): 2010 Henrik Rydberg
 Copyright (c): 2010 Canonical Ltd
 Terms and Conditions: Refer Section 4.29

3.145 **Ncurses - 5.9**


Available under the license: MIT License
 Copyright (c): 1996-2012,2013 Thomas E. Dickey
 Terms and Conditions: Refer Section 4.29

3.146 **Netscape Portable Runtime (NSPR) - 4.10.8**

Available under the license: Mozilla Public License 2.0
 Copyright (c): 2005-2013 Mozilla Developer Network
 Terms and Conditions: Refer Section 4.30

3.147 **NFS - nfs-utils - 1.3.1**

Available under the license: GPL v2.0

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 35

Copyright (c): 1995, 1996 Olaf Kirch
Terms and Conditions: Refer Section 4.16

3.148 NTFS-3G Read/Write Driver - 2013.1.13

Available under the license: GPL v2.0
Copyright (c): 2000-2004 Anton Altaparmakov
Copyright (c): 2004-2005 Richard Russon
Copyright (c): 2004-2008 Szabolcs Szakacsits
Copyright (c): 2005 Yura Pakhuchiy
Terms and Conditions: Refer Section 4.16

3.149 nss-mdns -0.10

Available under the license: LGPL V2.1
Copyright (c): 004-2007 Lennart Poettering
Terms and Conditions: Refer Section 4.29

3.150 OFono - 1.16

Available under the license: GPL v2.0
Copyright (c): 2008-2011 Intel Corporation.
Terms and Conditions: Refer Section 4.16

3.151 Osgearth

Available under the license: OSGEARTH SOFTWARE LICENSE
Copyright (c): 2008-2010 Pelican Mapping
Terms and Conditions: Refer Section 4.55

3.152 Open Scene Graph - 3.2.2, 3.2.0


Available under the license: OpenSceneGraph Public License
Copyright (c): 2002 Robert Osfield
Copyright (c): 1998 Julian Smart, Robert Roebing
Terms and Conditions: Refer Section 4.43

3.153 OpenSSH - 7.1p2

Available under the license: BSD 3-clause License
Copyright (c): 1994 Tatu Ylonen
Terms and Conditions: Refer Section 4.8

3.154 OpenSSL – 1.0.2n

Available under the license: OpenSSL Combined License

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 36

Copyright (c): 1998-2011 The OpenSSL Project
Copyright (c): 1995-1998 Eric A. Young, Tim J. Hudson
Terms and Conditions: Refer Section 4.32

3.155 **Opkg - 0.3.0**

Available under the license: GPL v2.0
Copyright (c): 2003 kernel concepts Carl D. Worth
Copyright (c): 2001 University of Southern California
Terms and Conditions: Refer Section 4.16

3.156 **P7v - 0.2-r2**

Available under the license: LGPL v2.1 License
Copyright (c): 1995 Patrick Powell.
Terms and Conditions: Refer Section 4.24

3.157 **PCRE - 8.37, 5.0**

Available under the license: PCRE 5 License
Copyright (c): 1997-2013 University of Cambridge
Terms and Conditions: Refer Section 4.33

3.158 **Perl - 5.22.0**

Available under the license: Artistic License 1.0
Copyright (c): Larry Wall and others
Terms and Conditions: Refer Section 4.49

3.159 **Pkg Config - 0.28**


Available under the license: GPL v2.0
Copyright (c): 2001, 2002 Red Hat Inc
Terms and Conditions: Refer Section 4.16

3.160 **PNG reference library - 1.6.10, 1.4.5, 1.6.8, 1.5.13, 1.6.19**

Available under the license: Libpng license
Copyright (c): 1998-2011 Glenn Randers-Pehrson
Terms and Conditions: Refer Section 4.25

3.161 **Poly2tri**

Available under the license: BSD 3-clause "New" or "Revised" License
Copyright (c): 2009-2010, Poly2Tri Contributors
Terms and Conditions: Refer Section 4.8

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 37

3.162 Popt - 1.16

Available under the license: MIT License
 Copyright (c): 1998 Red Hat Software
 Terms and Conditions: Refer Section 4.29

3.163 PostgreSQL Database Server - 9.4.4

Available under the license: PostgreSQL License
 Copyright (c): 1996-2009, PostgreSQL Global Development Group
 Terms and Conditions: Refer Section 4.34

3.164 PPP - Pauls PPP Package - 2.4.7

Available under the license: BSD 3-clause License, LGPL v2.1, GPL v2.0
 Copyright (c): 2006,2007,2008 Katalix Systems Ltd
 Terms and Conditions: Refer Section 4.7, 4.16, 4.24

3.165 Protobuf – 2.3.0

Available under the license: BSD 3 Clause
 Copyright (c): 2008 Google Inc
 Terms and Conditions: Refer Section 4.8

3.166 protobuf-c -1.2.1

Available under the license: BSD 2 Clause
 Copyright (c): 2008 Google Inc
 Terms and Conditions: Refer Section 4.7

3.167 Psmisc - 22.21


Available under the license: GPL v2.0
 Copyright (c): 1993-2002 Werner Almesberger
 Copyright (c): 2002-2012 Craig Small
 Terms and Conditions: Refer Section 4.16

3.168 PulseAudio - 6.0

Available under the license: LGPL v2.1
 Copyright (c): 2004-2006 Lennart Poettering
 Terms and Conditions: Refer Section 4.24

3.169 Python - 2.7.9,2.7.3

Available under the license: Python License 2.0

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 38

Copyright (c): 1991-1995 Stichting Mathematisch Centrum,
Amsterdam.
Terms and Conditions: Refer Section 4.35

3.170 **Python bindings for Object - 2.28.3**

Available under the license: LGPL v2.1
Copyright (c): 1998-2003 James Henstridge
Terms and Conditions: Refer Section 4.24

3.171 **RBTree algorithm**

Available under the license: Public Domain
Terms and Conditions: Refer Section 4.44

3.172 **RPCBind - 0.2.3**

Available under the license: BSD 3-Clause
Copyright (c): 2009, Sun Microsystems, Inc.
Terms and Conditions: Refer Section 4.8

3.173 **Rsync - 2.6.9**

Available under the license: GPL v2.0
Copyright (c): 1996-2001 Andrew Tridgell
Copyright (c): 2001, 2002 Martin Pool
Terms and Conditions: Refer Section 4.16

3.174 **SDC**


Available under the license: Apache License 1.1
Terms and Conditions: Refer Section 4.47

3.175 **Snappy – 1.1.3**

Available under the license: BSD 3-Clause
Copyright (c): 2008 Google Inc
Terms and Conditions: Refer Section 4.8

3.176 **Secret Rabbit Code - 0.1.8**

Available under the license: GPL v2.0
Copyright (c): 2002-2011 Erik de Castro Lopo
Terms and Conditions: Refer Section 4.16

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 39

3.177 Sg3_utils - 1.41

Available under the license: GPL v2.0, BSD 3 License
 Copyright (c): 1999-2010 Douglas Gilbert.
 Terms and Conditions: Refer Section 4.16, 4.8

3.178 Shadow - 4.2.1

Available under the license: BSD 3-clause License
 Copyright (c): 1990 - 1994, Julianne Frances Haugh
 Copyright (c): 1996 - 2000, Marek Michalkiewicz
 Copyright (c): 2007 - 2009, Nicolas François
 Terms and Conditions: Refer Section 4.8

3.179 Shared Mime - 1.4

Available under the license: GPL v2.0
 Copyright (c): 2003 Thomas Leonard
 Terms and Conditions: Refer Section 4.16

3.180 Speex - 1.2rc2

Available under the license: BSD 3-clause License
 Copyright (c): 2002 Jean-Marc Valin
 Terms and Conditions: Refer Section 4.8

3.181 SQLite – 3.7.3, 3.5.2.5.2, 3.8.0.1, 3.5.2.7, 3.8.7.4, 3.15.0, 3.7.15

Description: An Embeddable SQL Database Engine
 Available under the license: Public Domain
 Terms and Conditions: Refer Section 4.44

3.182 Squashfs - 4.2


Available under the license: GPL v2.0
 Copyright (c): 2009, 2010, 2011 Phillip Lougher
 Terms and Conditions: Refer Section 4.16

3.183 SELinux reference policies

Available under the license: GPL V2.0
 Terms and Conditions: Refer section 4.16

3.184 Strace - 4.10

Available under the license: BSD 3-clause License
 Copyright (c): 1991, 1992 Paul Kranenburg

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 40

Terms and Conditions:

Refer Section 4.8

3.185 **Svg common & resource**

Available under the license:

MIT

Copyright (c)

2003 – 2011 ADIT Corporation

Terms and Conditions:

Refer Section 4.29

3.186 **System Tap - 2.9**

Available under the license:

GPL v2.0

Copyright (c):

2005-2007 Red Hat Inc.

Terms and Conditions:

Refer Section 4.16

3.187 **Systemd - 206**

Available under the license:

GPL v2.0, LGPL v2.1

Copyright (c):

2010 Lennart Poettering

Copyright (c):

2010 ProFUSION embedded systems

Terms and Conditions:

Refer Section 4.24,4.16

3.188 **Tadween – 1.0.4**

Available under the license:

MIT

Copyright (c)

2009 Mohammad Arabix

Terms and Conditions:

Refer Section 4.29

3.189 **TagLib – 1.9.1**

Available under the license:

LGPL v2.1 or MPL1.1

Copyright (c):

2011 Mathias Panzenböck

Copyright (c):

2003 by Scott Wheeler

Copyright (c):

2006 by Aaron VonderHaar

Copyright (c):

2012 by Tsuda Kageyu

Terms and Conditions:

Refer Section 4.24

3.190 **TCP Wrappers - 7.6**

Available under the license:

TCP Wrappers License

Copyright (c):

Wietse Venema, Eindhoven University of Technology,

Terms and Conditions:

Refer Section 4.37


3.191 **The libpcap project - 1.6.2**

Available under the license:

BSD 3-clause License

Copyright (c):

1997-8 Andrew G Morgan

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 41

Terms and Conditions:

Refer Section 4.8

3.192 **The tcpdump project - 4.3.0**

Available under the license:

BSD 3-clause License, GPL v2.0

Copyright (c):

The Regents of the University of California.

Terms and Conditions:

Refer Section 4.8, 4.16

3.193 **Threaded I/O Tester - 0.3.3**

Available under the license:

GPL v2.0

Copyright (c):

Randy Hron

Terms and Conditions:

Refer Section 4.16

3.194 **TinyXML – 2.6.2**

Available under the license:

Zlib License

Copyright (c):

2000-2006 Lee Thomason

Terms and Conditions:

Refer section 4.42

3.195 **TomTom International B.V -1.7**

Available under the license:

MIT License

Copyright (c):

2016 TomTom International B.V.

Terms and Conditions:

Refer Section 4.29

3.196 **Totem Playlist Parser - 3.4.5**

Available under the license:

GNU Library General Public License v2 or later

Copyright (c):

2010 Bastien Nocera

Copyright (c):

2010 William Pitcock

Terms and Conditions:

Refer Section 4.45

3.197 **Trace-cmd – 2.5.3**

Available under the license:

GPL v2.0 only, LGPL v2.1

Copyright (c):

2009 Red Hat Inc,

Terms and Conditions:

Refer Section 4.17, 4.24

3.198 **Tslib - 1.1**

Available under the license:


LGPL v2.1

Copyright (c):

2001 Russell King

Terms and Conditions:

Refer Section 4.24

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 42

3.199 **UBoot**

Available under the license: GPL v2.0
Terms and Conditions: Refer section 4.16

3.200 **Unzip - 6.0**

Available under the license: Info-ZIP Updated License
Copyright (c): 1990-2009 Info-ZIP.
Terms and Conditions: Refer Section 4.19

3.201 **USB Utils - 008**

Available under the license: GPL v2.0
Copyright (c): 1999-2001, 2003 Thomas Sailer
Copyright (c): 2003-2005 David Brownell
Terms and Conditions: Refer Section 4.16

3.202 **Util-Linux - 2.23.2**

Available under the license: GPL v2.0
Copyright (c): 2008 Roy Peled.
Copyright (c): 2004-2006 by Michael Holzt.
Terms and Conditions: Refer Section 4.16

3.203 **UUID**

Available under the license: BSD 3-clause License
Copyright (c): 1996, 1997, 1998 Theodore Ts'o.
Terms and Conditions: Refer Section 4.8

3.204 **WavPack Lossless Audio Compressor - 4.60.1**


Available under the license: BSD 3-clause License
Copyright (c): 1998 - 2006 Conifer Software.
Terms and Conditions: Refer Section 4.8

3.205 **Wayland - 1.2.0**

Available under the license: MIT License
Copyright (c): 2008 Kristian Hogsberg
Terms and Conditions: Refer Section 4.29

3.206 **Wireless-tools – 30**

Available under the license: GPL v2.0
Copyright (c): 1997-2007 Jean Tourrilhes
Terms and Conditions: Refer Section 4.16

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 43

3.207 **Wpa_suplicant - IEEE 802.1X, WPA, WPA2, RSN, IEEE 802.11i- 2.6**

Available under the license: GPL v2.0, BSD 3 License
 Copyright (c): 2002-2008, Jouni Malinen
 Terms and Conditions: Refer Section 4.16

3.208 **Xml parser generator**

Available under the license: BSD 2-Clause
 Copyright (c): 2002, Frank Vanden Berghen.
 Terms and Conditions: Refer Section 4.7

3.209 **XZ Utils - 5.2.1**

Available under the license: Public Domain
 Terms and Conditions: Refer Section 4.44

3.210 **Yajl – 2.0.1, 2.1.0**

Available under the license: ISC License
 Copyright (c): 2007-2011, Lloyd Hilaiel
 Terms and Conditions: Refer section 4.18

3.211 **Zlib – 1.2.3, 1.2.6, 1.1.4, 1.2.7, 1.2.8, 1.2.11**

Available under the license: zlib License
 Copyright (c): 1995-2005 Jean-loup Gailly and Mark Adler
 Terms and Conditions: Refer Section 4.42

3.212 **Atomic_ops – 7.4.0**


Available under the license: MIT License
 Copyright (c): 1991-1994 by Xerox Corporation
 Copyright (c): 1996-1999 by Silicon Graphics
 Copyright (c): 1999-2003 by Hewlett-Packard Company
 Terms and Conditions: Refer Section 4.29

3.213 **Jsoncpp – 1.6.5**

Available under the license: MIT License
 Copyright (c): 2007-2010 Baptiste Lepilleur
 Terms and Conditions: Refer Section 4.29

3.214 **Dnsmasq 2.78**

Available under the license: GPL v2.0 only

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 44

Copyright (c): 2000-2013 Simon Kelley
Terms and Conditions: Refer Section 4.17

3.215 Qt – 5.2.1

Qt5Core :

Available under the license: LGPL v2.1, Qt LGPL Exception version 1.1, bsd 3 License

Qt5Gui:

Available under the license: LGPL v2.1, Qt LGPL Exception version 1.1

Qt5Network:

Available under the license: LGPL v2.1, Qt LGPL Exception version 1.1

Copyright (c): 2015 The Qt Company Ltd

Copyright (c): 2013 Digia Plc

Copyright (c): 2012 Intel Corporation

Copyright (c): 2006, Google Inc

Terms and Conditions: Refer Section 4.24, 4.50, 4.8

3.216 Qt- 5.6.1

Available under the license: LGPL v2.1 or later , GPL v2.0 or later, MIT License, GNU Free Documentation License version 1.3, BSD 2 Clause, BSD 3 Clause, Apache License 2.0, Qt LGPL Exception version 1.1

Copyright (c): 2013 Digia Plc and/or its subsidiary

Copyright (c): 2015 The Qt Company Ltd

Copyright (c): 2013 Ivan Komissarov

Copyright (c): 2015 Jolla Ltd

Copyright (c): 2011 Google Inc. All Rights Reserved,

Copyright (c): 1997-2012 University of Cambridge

Terms and Conditions: Refer Section 4.24, 4.16, 4.29, 4.30, 4.7, 4.8, 4.2, 4.50, 4.2

3.217 GConf - 3.2.6

Available under the license: GNU Library General Public License v2 or later

Copyright (c): 1999, 2000 Red Hat Inc

Terms and Conditions: Refer Section 4.45


3.218 Plugixml - 1.2

Available under the license: MIT License

Copyright (c): 2006-2012, by Arseny Kapoulkine

Copyright (c): 2003, by Kristen Wegner

Terms and Conditions: Refer Section 4.29

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 45

3.219 **Pugixml – 1.0**

Available under the license: MIT License
 Copyright (c): 2003, by Kristen Wegne
 Terms and Conditions: Refer Section 4.29

3.220 **Sbc - Bluetooth Low-complexity Subband Codec Library 1.3**

Available under the license: GPL V2.0, LGPL v2.1
 Copyright (c): 2008-2010 Nokia Corporation
 Terms and Conditions: Refer Section 4.24,4.16

3.221 **Boost C++ Libraries – 1.50.0**

Available under the license: Boost Software License 1.0
 Copyright (c): Rene Rivera 2008-2013
 Terms and Conditions: Refer Section 4.9

3.222 **RapidXml – 1.13**

Available under the license: MIT License
 Copyright (c): 2006, 2007 Marcin Kalicinski
 Terms and Conditions: Refer Section 4.29

3.223 **HMI_Daemon**

Available under the license: MIT License
 Copyright (c): 2010-2012 Intel Corporation
 Copyright (c): 2010-2011 Benjamin Franzke
 Copyright (c): 2011-2012 Collabora, Ltd
 Terms and Conditions: Refer Section 4.29

3.224 **GENIVI Audio Manager – MIT**


Available under the license: MIT License
 Copyright (c): 2012 BMW
 Terms and Conditions: Refer Section 4.29

3.225 **Hostapd- 2.6**

Available under the license: BSD 3-clause
 Copyright (c): 2003-2009, Jouni Malinen
 Terms and Conditions: Refer Section 4.8

3.226 **Templatized C++ Command Line Parser – 1.2.1**

Available under the license: MIT License

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 46

Copyright (c): 2003, 2004 Michael E Smoot
Terms and Conditions: Refer Section 4.29

3.227 **v4utils_gpl2.0 - 1.6.2**

Available under the license: GPL v2.0
Copyright (c): 2006 Mauro Carvalho Chehab
Terms and Conditions: Refer Section 4.16

3.228 **v4utils_LGPL2.1- 1.6.2**

Available under the license: LGPL v2.1
Copyright (c): 2006 Mauro Carvalho Chehab
Terms and Conditions: Refer Section 4.24

3.229 **v4utils_libv4l - 1.6.2**

Available under the license: LGPL v2.1
Copyright (c): 2008-2009 Sjoerd Piepenbrink
Terms and Conditions: Refer Section 4.24

3.230 **v4utils_libv4l2rds - 1.6.2**

Available under the license: LGPL v2.1
Copyright (c): 2012 Cisco Systems, Inc
Terms and Conditions: Refer Section 4.24

3.231 **v4utils_libdvbv5- 1.6.2**


Available under the license: GPL v2.0 only
Copyright (c): 1999-2003 Mark
Terms and Conditions: Refer Section 4.17

3.232 **libblkid – 2.26.2**

Available under the license: LGPL v2.1
Copyright (c): 2001 Andreas Dilger
Copyright (c): 2003 Theodore Ts'o Copyright
Copyright (c): 2008 Karel Zak <kzak@redhat.com>
Terms and Conditions: Refer Section 4.24

3.233 **libevdev - 1.3.1**

Available under the license: MIT License
Copyright (c): 2013 Red Hat, Inc
Copyright (c): 2013 David Herrmann dh.herrmann@gmail.com
Copyright (c): 1999-2002 Vojtech Pavlik
Terms and Conditions: Refer Section 4.29

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 47

3.234 **libsigc++ -2.2.0,2.2.11**

Available under the license: LGPL V2.1
 Copyright (c): 2002, The libsigc++ Development Team
 Terms and Conditions: Refer Section 4.24

3.235 **Iw- 4.1**

Available under the license: ISC License
 Copyright (c): 2008-2009, Luis R. Rodriguez
 Copyright (c): 2007-2008, Johannes Berg
 Copyright (c): 2007, Mike Kershaw
 Copyright (c): 2007, Andy Lutomirski
 Terms and Conditions: Refer Section 4.18

3.236 **Libarchive – 3.2.1**

Available under the license: BSD 3-clause License
 Copyright (c): Copyright (c) 2003-2010 Tim Kientzle
 Terms and Conditions: Refer Section 4.8

3.237 **Brotli – 0.1.1**

Available under the license: MIT License
 Copyright (c): 2013,2014,2015 Google Inc. All Rights Reserved
 Terms and Conditions : Refer Section 4.29

3.238 **CRDA- 3.18**


Available under the license: copy left-next 0.3.0
 Copyright (c): 2008, Luis R. Rodriguez <mcgrof@gmail.com>
 Copyright (c): 2008 Michael Wu <flamingice@sourmilk.net>
 Terms and Conditions: 4.52

3.239 **Dleyna-connector-dbus -0.3.0**

Available under the license: LGPL V2.1
 Copyright (c): 2013 Intel Corporation. All rights reserved
 Terms and Conditions : Refer Section 4.24

3.240 **Dleyna-core – 0.6.0**

Available under the license: LGPL V2.1
 Copyright (c): 2013 Intel Corporation. All rights reserved
 Terms and Conditions : Refer Section 4.24

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 48

3.241 Dleyna-renderer – 0.6.0

Available under the license: LGPL V2.1
 Copyright (c): Copyright (C) 2012-2013 Intel Corporation. All rights reserved, Copyright (C) 2012-2015 Intel Corporation. All rights reserved, Copyright (C) 2013 Intel Corporation. All rights reserved
 Terms and Conditions : Refer Section 4.24

3.242 Dleyna-server – 0.6.0

Available under the license: LGPL V2.1
 Copyright (c): 2013 Intel Corporation. All rights reserved
 Terms and Conditions : Refer Section 4.24

3.243 GSSDP – 0.14.14

Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 2010 Jens Georg <mail@jensge.org>
 Terms and Conditions : Refer Section 4.45

3.244 GUPnP – 0.20.16


Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 2011,2013,2014 Jens Georg,
 Copyright (c): 2006,2007,2008 OpenedHand Ltd,
 Copyright (c): 2009,2011 Nokia Corporation,
 Copyright (c): 2013 Intel Corporation,
 Terms and Conditions : Refer Section 4.45

3.245 GUPnP-AV – 0.12.8

Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 2011,2013,2014 Jens Georg,
 Copyright (c): 2006,2007,2008 OpenedHand Ltd,
 Copyright (c): 2009,2011 Nokia Corporation,
 Copyright (c): 2013 Intel Corporation,
 Terms and Conditions : Refer Section 4.45

3.246 GUPnP-DLNA – 0.10.4

Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 2011,2013,2014 Jens Georg,
 Copyright (c): 2006,2007,2008 OpenedHand Ltd,
 Copyright (c): 2009,2011 Nokia Corporation,
 Copyright (c): 2013 Intel Corporation,
 Terms and Conditions: Refer Section 4.45

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 49

3.247 **i2c-tools– 3.1.2**

Available under the license: GPL V2.0
 Copyright (c): 1999-2003 Mark D. Studebaker
 Copyright (c): 1999-2004 Frodo Looijaard,
 Copyright (c): 1998-99 Frodo Looijaard,
 Copyright (c): 2002-2003 Stefano Barbato,
 Terms and Conditions : Refer Section 4.16

3.248 **Libgee - 0.18.0**

Available under the license: LGPL V2.1
 Copyright (c): 2009 Didier Villevalois
 Copyright (c): 2009 Ali Sabil
 Terms and Conditions: Refer Section 4.8

3.249 **Libgudev - 230**

Available under the license: GNU Library General Public License v2 or later
 Copyright (c): 2008-2010 David Zeuthen
 Terms and Conditions: Refer Section 4.45

3.250 **Libinput- 0.21.0**

Available under the license: MIT License
 Copyright (c): 2013-2015 Red Hat.Inc
 Terms and Conditions: Refer Section 4.29

3.251 **Libjpeg-turbo – 1.4.1**


Available under the license: Independent JPEG Group License
 Copyright (c): 2014 Siarhei Siamashka. All Rights Reserved
 Terms and Conditions: Refer Section 4.22

3.252 **Libmediaart – 2.0**

Available under the license: LGPL V2.1
 Copyright (c): 2014 Siarhei Siamashka. All Rights Reserved
 Terms and Conditions: Refer Section 4.24

3.253 **Lz4 Command Line Interface –r128**

Available under the license: GPL V2.0
 Copyright (c): Yann Collet 2011-2015
 Terms and Conditions: Refer Section 4.16

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 50

3.254 **Mozilla NSS – 3.19.2**

Available under the license: MPL V2.0
 Copyright (c): 1987, 1993 The Regents of the University of California. All rights reserved,
 Copyright (c): 1994-1999 RSA Security Inc.
 Copyright (c): 2012,2013, Intel Corp,
 Copyright (c): 1995-1996 Jean-loup Gailly
 Terms and Conditions: Refer Section 4.30

3.255 **Opus – 1.1**

Available under the license: BSD 3-clause "New" or "Revised" License
 Copyright (c): 2007 Jean-Marc Valin, 2003-2004, Mark Borgerding, 2001 Erik de Castro Lopo , 2001-2011 Timothy B. Terriberry, Gregory Maxwell
 Terms and Conditions: Refer Section 4.8

3.256 **Persistence-common-object**

Available under the license: MPL V2.0
 Copyright (c): 2010-2014 Seungyoung Kim, All rights reserved,
 Terms and Conditions: Refer Section 4.30

3.257 **Persistence-administrator – 1.0.5**

Available under the license: MPL V2.0
 Copyright (c): 2013 Continental Automotive Systems, Inc
 Terms and Conditions: Refer Section 4.30

3.258 **Procps – 3.3.10**


Available under the license: LGPL V2.1
 Copyright (c): 2010 Davidlohr Bueso
 Terms and Conditions: Refer Section 4.17

3.259 **Rygel - DLNA Media Server – 0.30.1**

Available under the license: LGPL V2.1
 Copyright (c): 2011,2014,2016 Jens Georg,
 Copyright (c): 2013 Cable Television, Inc
 Terms and Conditions: Refer Section 4.24

3.260 **NeuQuant - Neural Image Quantization**

Available under the license: NeuQuant Neural-Net Quantization Algorithm License

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 51

Copyright (c): 1994 Anthony Dekker
Terms and Conditions : Refer Section 4.51

3.261 **murmurhash3 - r151**

Available under the license: MIT License
Terms and Conditions: Refer Section 4.29

3.262 **OGRE O - O Graphics Rendering Engine – 1.7.0**

Available under the license: MIT License
Terms and Conditions: Refer Section 4.29

3.263 **RFC1321-based (RSA-free) MD5 library -1.6**

Available under the license: zlib license
Copyright (c): 2002 Aladdin Enterprises.
Terms and Conditions: Refer section 4.42

3.264 **Rapidjson – 1.1.0**

Available under the license: MIT License
Copyright (c): 2015 THL A29 Limited, a Tencent company.
Terms and Conditions: Refer Section 4.29

3.265 **UTF-8 CPP**

Available under the license: Boost Software License 1.0
Copyright (c): 2006 Nemanja Trifunovic
Terms and Conditions: Refer section 4.9

3.266 **Util-unix-ng -2.26.2**


Available under the license: BSD 3-clause "New" or "Revised" License, GPL v2.0, LGPL v2.1
Copyright (c): 2009-2010 Free Software Foundation, Inc
Terms and Conditions: Refer Section 4.8,4.16,4.24

3.267 **Traffic Signs Germany - since 2009**

Available under the license: Public Domain
Terms and Conditions: Refer Section 4.44

3.268 **Cryptopp**

Available under the license: Public Domain

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 52

Terms and Conditions: Refer Section 4.44

3.269 **GCC- 3.0**

Available under the license: GPL V2.0
 Copyright (c): 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006 Free Software Foundation, Inc
 Terms and Conditions: Refer section 4.16

3.270 **GNU Libtool - 2.2.2**

Available under the license: GPL V2.0
 Copyright (c): 1994, 995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006 Free Software Foundation, Inc
 Terms and Conditions: Refer section 4.16

3.271 **libjpeg-turbo -1.5.0**

Available under the license: BSD 3-clause "New" or "Revised" License
 Copyright (c): 2014 Siarhei Siamashka. All Rights Reserved
 Terms and Conditions: Refer Section 4.8

3.272 **Threadpool**

Available under the license: zlib license
 Copyright (c): 2012 Jakob Progsch
 Terms and Conditions: Refer section 4.42

3.273 **7-Zip LZMA SDK**

Available under the license: Public Domain
 Terms and Conditions: Refer Section 4.44

4 **License Terms & Condition**


4.1 **Academic Free License v2.1**

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 53

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;


d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 54


5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately preceding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 55

in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.


11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. Â§ 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 56

responsible for such uses by You.

This license is 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

4.2 Apache License v2.0

Apache License

Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.


"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 57


"Work" shall mean the work of authorship, whether in Source or Object form, made Available under the license, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.


2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 58

by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.


4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 59

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 60

and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at


<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either expresses or implied. See the License for the specific language governing permissions and limitations under the License.

4.3 Apple Public Source License 1.1

Version 1.1 - April 19, 1999

Please read this License carefully before downloading this software. By downloading and using this software, you are agreeing to be bound by the terms of this License. If you do not or cannot agree to the terms of this License, please do not download or use the software.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 61

1. General; Definitions. This License applies to any program or other work which Apple Computer, Inc. ("Apple") publicly announces as subject to this Apple Public Source License and which contains a notice placed by Apple identifying such program or work as "Original Code" and stating that it is subject to the terms of this Apple Public Source License version 1.1 (or subsequent version thereof), as it may be revised from time to time by Apple ("License"). As used in this License:

1.1 "Affected Original Code" means only those specific portions of Original Code that allegedly infringe upon any party's intellectual property rights or are otherwise the subject of a claim of infringement.

1.2 "Applicable Patent Rights" mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in combination with Original Code.


1.3 "Covered Code" means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.

1.4 "Deploy" means to use, sublicense or distribute Covered Code other than for Your internal research and development (R&D), and includes without limitation, any and all internal use or distribution of Covered Code within Your business or organization except for R&D use, as well as direct or indirect sublicensing or distribution of Covered Code by You to any third party in any form or manner.

1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.6 "Modifications" mean any addition to, deletion from, and/or change to, the substance and/or structure of Covered Code. When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.

1.7 "Original Code" means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 62

1.8 "Source Code" means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).

1.9 "You" or "Your" means an individual or a legal entity exercising rights under this License. For legal entities, "You" or "Your" includes any entity which controls, is controlled by, or is under common control with, You, where "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights covering the Original Code, to do the following:

2.1 You may use, copy, modify and distribute Original Code, with or without Modifications, solely for Your internal research and development, provided that You must in each instance:

(a) retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License;

(b) include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute, and You may not offer or impose any terms on such Source Code that alter or restrict this License or the recipients' rights hereunder, except as permitted under Section 6; and

(c) completely and accurately document all Modifications that you have made and the date of each such Modification, designate the version of the Original Code you used, prominently include a file carrying such information with the Modifications, and duplicate the notice in Exhibit A in each file of the Source Code of all such Modifications.


2.2 You may Deploy Covered Code, provided that You must in each instance:

(a) satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;

(b) make all Your Deployed Modifications publicly available in Source Code form via electronic distribution (e.g. download from a web site) under the terms of this License and subject to the license grants set forth in Section 3 below, and any additional terms You may choose to offer under Section 6. You must continue to make the Source Code of Your Deployed Modifications available for as long as you Deploy the Covered Code or twelve (12) months from the date of initial Deployment, whichever is longer;

(c) if You Deploy Covered Code containing Modifications made by You, inform others of how to obtain those Modifications by filling out and submitting the information found at <http://www.apple.com/publicsource/modifications.html>, if available; and

(d) if You Deploy Covered Code in object code, executable form only, include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 63

Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.

3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License:

(a) You hereby grant to Apple and all third parties a non-exclusive, royalty-free license, under Your Applicable Patent Rights and other intellectual property rights owned or controlled by You, to use, reproduce, modify, distribute and Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2; and

(b) You hereby grant to Apple and its subsidiaries a non-exclusive, worldwide, royalty-free, perpetual and irrevocable license, under Your Applicable Patent Rights and other intellectual property rights owned or controlled by You, to use, reproduce, execute, compile, display, perform, modify or have modified (for Apple and/or its subsidiaries), sublicense and distribute Your Modifications, in any form, through multiple tiers of distribution.


4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.

5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require additional patent licenses from Apple which Apple may grant in its sole discretion.

6. Additional Terms. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations and/or other rights consistent with the scope of the license granted herein ("Additional Terms") to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple. You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple harmless for any liability incurred by or claims asserted against Apple by reason of any such Additional Terms.

7. Versions of the License. Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.

8. NO WARRANTY OR SUPPORT. The Original Code may contain in whole or in part pre-release, untested, or not fully tested works. The Original Code may contain errors that could cause failures or loss of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Original Code, or any portion thereof, is at Your sole and entire risk. The Original Code is provided "AS IS" and without warranty, upgrades or support of any kind and Apple and Apple's licensor(s) (for the purposes of Sections 8 and 9, Apple and

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 64


Apple's licensor(s) are collectively referred to as "Apple") EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY OR SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE DOES NOT WARRANT THAT THE FUNCTIONS CONTAINED IN THE ORIGINAL CODE WILL MEET YOUR REQUIREMENTS, OR THAT THE OPERATION OF THE ORIGINAL CODE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE ORIGINAL CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE OR AN APPLE AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY. You acknowledge that the Original Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines in which case the failure of the Original Code could lead to death, personal injury, or severe physical or environmental damage.

9. Liability.

9.1 Infringement. If any portion of, or functionality implemented by, the Original Code becomes the subject of a claim of infringement, Apple may, at its option: (a) attempt to procure the rights necessary for Apple and You to continue using the Affected Original Code; (b) modify the Affected Original Code so that it is no longer infringing; or (c) suspend Your rights to use, reproduce, modify, sublicense and distribute the Affected Original Code until a final determination of the claim is made by a court or governmental administrative agency of competent jurisdiction and Apple lifts the suspension as set forth below. Such suspension of rights will be effective immediately upon Apple's posting of a notice to such effect on the Apple web site that is used for implementation of this License. Upon such final determination being made, if Apple is legally able, without the payment of a fee or royalty, to resume use, reproduction, modification, sublicensing and distribution of the Affected Original Code, Apple will lift the suspension of rights to the Affected Original Code by posting a notice to such effect on the Apple web site that is used for implementation of this License. If Apple suspends Your rights to Affected Original Code, nothing in this License shall be construed to restrict You, at Your option and subject to applicable law, from replacing the Affected Original Code with non-infringing code or independently negotiating for necessary rights from such third party.

9.2 LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES SHALL APPLE BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE ORIGINAL CODE, OR ANY PORTION THEREOF, whether under a theory of contract, warranty, tort (including negligence), products liability or otherwise, even if APPLE has been advised of the possibility of such damages AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. In no event shall Apple's total liability to You for all damages under this License exceed the amount of fifty dollars (\$50.00).

10. Trademarks. This License does not grant any rights to use the trademarks or trade names "Apple", "Apple Computer", "Mac OS X", "Mac OS X Server" or any other trademarks or trade

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 65

names belonging to Apple (collectively "Apple Marks") and no Apple Marks may be used to endorse or promote products derived from the Original Code other than as permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted at <http://www.apple.com/legal/guidelinesfor3rdparties.html>.

11. Ownership. Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all. Apple's development, use, reproduction, modification, sublicensing and distribution of Covered Code will not be subject to this License.

12. Termination.

12.1 Termination. This License and the rights granted hereunder will terminate:


- (a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach;
- (b) immediately in the event of the circumstances described in Section 13.5(b); or
- (c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple.

12.2 Effect of Termination. Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code and to destroy all copies of the Covered Code that are in your possession or control. All sublicenses to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. Neither party will be liable to the other for compensation, indemnity or damages of any sort solely as a result of terminating this License in accordance with its terms, and termination of this License will be without prejudice to any other right or remedy of either party.

13. Miscellaneous.

13.1 Government End Users. The Covered Code is a "commercial item" as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

13.2 Relationship of Parties. This License will not be construed as creating an agency, partnership, joint venture or any other form of legal association between You and Apple, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 66

13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.

13.4 Waiver; Construction. Failure by Apple to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.

13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use of the Covered Code and destroy all copies of it that are in your possession or control.

13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.


13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law.

Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English. Les parties ont exigé que le présent contrat et tous les documents connexes soient rédigés en anglais.

EXHIBIT A.

"Portions 1999-2000 Apple Computer, Inc. All Rights Reserved.

This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 1.1 (the 'License'). You may not use this file except in compliance with the License. Please obtain a copy of the License at <http://www.apple.com/publicsource> and read it before using this file. The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License."

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 67

Please read the terms of this license carefully. By clicking on the "Yes, I Accept" button below you are accepting and agreeing to the terms of this license with Apple Computer, Inc. If you are agreeing to this license on behalf of a company, you represent that you are authorized to bind the company to such a license. If you do not meet this criterion or you do not agree to any of the terms of this license, please click on the "No, I Reject" button below or use your browser's Back button to exit this page. Use the "Change Registration" button to update your information.

4.4 License for Delaunay-Triangulation

Ken Clarkson wrote this. Copyright (c) 1995 by AT&T.. Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

4.5 Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:


- a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b) in the case of each subsequent Contributor:

- i) changes to the Program, and

- ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 68

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.


c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 69

b) its license agreement:

- i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
- ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
- iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
- iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program.


Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must:

- a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 70

defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.


6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 71

software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

4.6 Bison with GPL 3.0 Exception

As a special exception, when this file is copied by Bison into a Bison output file, you may use that output file without restriction.


This special exception was added by the Free Software Foundation in version 1.24 of Bison.

The GNU General Public License (GPL-2.0)

Version 2, June 1991

1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 72

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.


When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 73

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION


0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 74


- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 75

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,


c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 76


distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 77

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.


9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 78

RISK AS

TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS


How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
<year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 79

(at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.


The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 80

4.7 BSD 2-clause License

The BSD 2-Clause License

<YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

4.8 BSD 3-clause License


The BSD 3-Clause License

<YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 81


2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

4.9 Boost Software License 1.0

Boost Software License - Version 1.0 August 17th, 2003 Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 82

4.10 Bzip2 License

1.1 This program, "bzip2", the associated library "libbzip2", and all documentation, are 1996-2005 Julian R Seward. All rights reserved.


1. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
2. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
3. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
4. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
5. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

4.11 Curl License

1996 - 2003, Daniel Stenberg, <daniel@haxx.se>.
All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 83

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder

4.12 Expat License

1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper
2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:


The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

4.13 Festival Speech Synthesis System License

1.1 The system as a whole and almost all of the files in it are distributed under the following

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 84

copyright and conditions

The Festival Speech Synthesis System
Centre for Speech Technology Research
University of Edinburgh, UK
1996-1999
All Rights Reserved.

Permission is hereby granted, free of charge, to use and distribute this software and its documentation without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of this work, and to permit persons to whom this work is furnished to do so, subject to the following conditions:


1. The code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Any modifications must be clearly marked as such.
3. Original authors' names are not deleted.
4. The authors' names are not used to endorse or promote products derived from this software without specific prior written permission.

THE UNIVERSITY OF EDINBURGH AND THE CONTRIBUTORS TO THIS WORK DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE UNIVERSITY OF EDINBURGH NOR THE CONTRIBUTORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Some further comments:

Every effort has been made to ensure that Festival does not contain any violation of intellectual property rights through disclosure of trade secrets, copyright or patent violation. Considerable time and effort has been spent to ensure that this is the case. However, especially with patent problems, it is not always within our control to know what has or has not been restricted. If you do suspect that some part of Festival cannot be legally distributed please please inform us so that an alternative may be sought. Festival is only useful if it is truly free to distribute.

As of 1.4.0 the core distribution (and speech tools) is free. Unlike previous versions which had a commercial restriction. You are free to incorporate Festival in commercial (and of course non-commercial systems), without any further communication or licence from us. However if you are seriously using Festival within a commercial application we would like to know, both so we know we are contributing and so we can keep you informed of future developments. Also if you

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 85

require maintenance, support or wish us to provide consultancy feel free to contact us.

The voices however aren't all free. At present the US voices, kal and ked are free. Our British voices are free themselves but they use OALD which is restricted for non-commercial use. Our Spanish voice is also so restricted.

Note other modules that festival supports e.g MBROLA and OGI extensions, may have different licencing please take care when using the system to understand what you are actually using.

A number of individual files in the system fall under a different copyright from the above. All however are termed "free software" but most people.

`./src/arch/festival/tcl.c`

1997 Jacques H. de Villiers

1997 Center for Spoken Language Understanding,

Oregon Graduate Institute of Science & Technology

See conditions in file. This is the standard TCL licence and hence shouldn't cause problems from most people.

`./examples/festival_client.pl`

1997

Kevin A. Lenzo (lenzo@cs.cmu.edu) 7/97

See condition in file

`./lib/festival.el`

Alan W Black 1996

copyright under FSF General Public Licence

Please also read the COPYING section of `speech_tools/README` for the conditions on those files.

4.14 Fine Free File Command License


Ian F. Darwin 1986, 1987, 1989, 1990, 1991, 1992, 1994, 1995.

This software is not subject to any export provision of the United States Department of Commerce, and may be exported to any country or planet.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice immediately at the beginning of the file, without modification, this list of conditions, and the following

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 86

disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

4.15 GCC Runtime Library Exception 3.1 to GPL

Version 3.1, 31 March 2009

2009 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.


When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

1. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 87

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

2. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

3. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007


2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 88

General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.


For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 89

0. Definitions.

“This License” refers to version 3 of the GNU General Public License.

“Copyright” also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

“The Program” refers to any copyrightable work licensed under this License. Each licensee is addressed as “you”. “Licensees” and “recipients” may be individuals or organizations.

To “modify” a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a “modified version” of the earlier work or a work “based on” the earlier work.

A “covered work” means either the unmodified Program or a work based on the Program. To “propagate” a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To “convey” a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.


An interactive user interface displays “Appropriate Legal Notices” to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The “source code” for a work means the preferred form of the work for making modifications to it. “Object code” means any non-source form of a work.

A “Standard Interface” means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The “System Libraries” of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 90

of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A “Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.


2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 91

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 92


A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
- e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 93

Source as a System Library, need not be included in conveying the object code work.

A “User Product” is either (1) a “consumer product”, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, “normally used” refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

“Installation Information” for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.


If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

“Additional permissions” are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 94

that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.


When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 95

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An “entity transaction” is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 96

copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.


A “contributor” is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's “contributor version”.

A contributor's “essential patent claims” are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, “control” includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a “patent license” is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To “grant” such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. “Knowingly relying” means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 97

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is “discriminatory” if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 98

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License “or any later version” applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.


THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 99

legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the “copyright” line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

<year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>.


Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> <year> <name of author>

This program comes with **ABSOLUTELY NO WARRANTY**; for details type ‘show w’. This is free software, and you are welcome to redistribute it under certain conditions; type ‘show c’ for details.

The hypothetical commands ‘show w’ and ‘show c’ should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an “about box”.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 100

You should also get your employer (if you work as a programmer) or school, if any, to sign a “copyright disclaimer” for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>

4.16 GPL V2.0

The GNU General Public License (GPL-2.0)

Version 2, June 1991


1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 101

distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.


Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 102

is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.


1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 103

distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.


Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 104

operating system on which the executable runs, unless that component itself accompanies the executable.


If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 105

the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.


This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free


BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 106

programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 107

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
<year> <name of author>
```

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.


You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 108

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

4.17 GPL V2.0 only

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.


Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 109

you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.


TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 110

offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)


These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 111

- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.


If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 112

reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.


This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 113

the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.


END OF TERMS AND CONDITIONS

4.18 ISC License

Internet Systems Consortium (ISC) License

4-digit year, Company or Person's Name

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 114

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

4.19 Info-ZIP Updated License

This is version 2007-Mar-4 of the Info-ZIP license. The definitive version of this document should be available at <ftp://ftp.info-zip.org/pub/infozip/license.html> indefinitely and a copy at <http://www.info-zip.org/pub/infozip/license.html>.

1990-2007 Info-ZIP. All rights reserved.


For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals:

Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 115

2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.
3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP--must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.

Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.

4.20 ICU License

ICU License - ICU 1.8.1 and later


COPYRIGHT AND PERMISSION NOTICE

1995-2005 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 116

EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

4.21 FreeImage Public License 1.0

1. Definitions.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.


1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 117

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or a list of source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:


(a) to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Initial Developer, to make, have made, use and sell ("Utilize") the Original Code (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Original Code (or portions thereof) and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

2.2. Contributor Grant.

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 118

Modifications, as Covered Code or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Contributor, to Utilize the Contributor Version (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Contributor Version (or portions thereof), and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.


3.3. Description of Modifications.

You must cause all Covered Code to which you contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims.

If You have knowledge that a party claims an intellectual property right in particular functionality or code (or its utilization under this License), you must include a text file with the source code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If you obtain such knowledge after You make Your Modification available as described in Section 3.2, You shall promptly modify the LEGAL file in all copies You make available thereafter and shall take

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 119

other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.

If Your Modification is an application programming interface and You own or control patents which are reasonably necessary to implement that API, you must also include this information in the LEGAL file.

3.5. Required Notices.


You must duplicate the notice in Exhibit A in each file of the Source Code, and this License in any documentation for the Source Code, where You describe recipients' rights relating to Covered Code. If You created one or more Modification(s), You may add your name as a Contributor to the notice described in Exhibit A. If it is not possible to put such notice in a particular Source Code file due to its structure, then you must include such notice in a location (such as a relevant directory file) where a user would be likely to look for such a notice. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 120

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A, and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Floris van den Berg may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.


Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Floris van den Berg. No one other than Floris van den Berg has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.

If you create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), you must (a) rename Your license so that the phrases "FreeImage", "FreeImage Public License", "FIPL", or any confusingly similar phrase do not appear anywhere in your license and (b) otherwise make it clear that your version of the license contains terms which differ from the FreeImage Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 121

CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

9. LIMITATION OF LIABILITY.


UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO YOU OR ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by Dutch law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in, the The Netherlands: (a) unless otherwise agreed in writing, all disputes relating to this License (excepting any dispute relating to intellectual property rights) shall be subject to final and binding arbitration, with the losing party

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 122

paying all costs of arbitration; (b) any arbitration relating to this Agreement shall be held in Almelo, The Netherlands; and (c) any litigation relating to this Agreement shall be subject to the jurisdiction of the court of Almelo, The Netherlands with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

Except in cases where another Contributor has failed to comply with Section 3.4, You are responsible for damages arising, directly or indirectly, out of Your utilization of rights under this License, based on the number of copies of Covered Code you made available, the revenues you received from utilizing such rights, and other relevant factors. You agree to work with affected parties to distribute responsibility on an equitable basis.

EXHIBIT A.

"The contents of this file are subject to the FreeImage Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://home.wxs.nl/~flvdberg/freeimage-license.txt>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

4.22 JPEG License

The Independent JPEG Group's JPEG software


README for release 6b of 27-Mar-1998

This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 123

LEGAL ISSUES

In plain English:

We don't promise that this software works. (But if you find any bugs, please let us know!)

You can use this software for whatever you want. You don't have to pay us.

You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.

(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".


(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 124

its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knc.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knc.c for full details.) However, since ansi2knc.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."


4.23 LGPLv2.0 License

GNU LIBRARY GENERAL PUBLIC LICENSE v2.0

Version 2, June 1991

1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 125

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.


To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 126

software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.


The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 127

**GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.


The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 128

and you may at your option offer warranty protection in exchange for a fee.


2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 129

collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.


This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 130

library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.


If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 131

that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)


- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 132

where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.


9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 133

patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.


12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 134

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.

EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR

OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY

AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE

LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A

FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS


How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

<year> <name of author>

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 135

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!


4.24 LGPLv2.1 License

LGPL v2.1 License

Version 2.1, February 1999

1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 136

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.


When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 137

introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.


Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 138

system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION


0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 139

writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.


You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 140

and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.


3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 141

distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.


When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.


You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 142

copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 143

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.


7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 144

You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.


If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 145

Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.


EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR

OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY

AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE

LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 146

SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
<year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.


This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 147

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

4.25 Libpng license

This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

libpng versions 1.0.7, July 1, 2000, through 1.0.13, April 15, 2002, are Copyright (c) 2000-2002 Glenn Randers-Pehrson and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors

Simon-Pierre Cadieux
Eric S. Raymond
Gilles Vollant

and with the following additions to the disclaimer:


There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 1999 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996, 1997 Andreas Dilger Distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 148

Magnus Holmgren
Greg Roelofs
Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995, 1996 Guy Eric Schlnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schlnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:


1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

A "png_get_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 149

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative.

Glenn Randers-Pehrson
randeg@alum.rpi.edu
April 15, 2002

4.26 Libtheora License


Copyright (C) 2002-2009 Xiph.org Foundation

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

4.27 Libxml2 License

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 150

1.1 Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

1998-2003 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE DANIEL VEILLARD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Daniel Veillard shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.


4.28 **LUA license**

Copyright (c) 1994–2015 Lua.org, PUC-Rio.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 151

HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

4.29 MIT License

The MIT License (MIT)

<year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

4.30 MPL v2.0


MOZILLA PUBLIC LICENSE VERSION 2.0

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 152

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.


1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 153

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions


2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)

Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 154

for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.


This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 155

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.


3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 156

Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms


You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 157

if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.


5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 158

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.


9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 159

distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice


This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 160

4.31 Open Group License

Open Group License

Copyright 1996, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.


4.32 OpenSSL Combined License

LICENSE ISSUES

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-Style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License


1998-2000 The OpenSSL Project. All rights reserved.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 161

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org>)"
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 162

OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

1995-1998 Eric Young (eay@cryptsoft.com)
All rights reserved.

This package is an SSL implementation written
by Eric Young (eay@cryptsoft.com).
The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).


Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed.

If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used.

This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:
"This product includes cryptographic software written by
Eric Young (eay@cryptsoft.com)"
The word 'cryptographic' can be left out if the routines from the library

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 163

being used are not cryptographic related :-).

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement:
"This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

4.33 PCRE 5 License


PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service,
Cambridge, England. Phone: +44 1223 334714.

1997-2001 University of Cambridge

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 164

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to


<ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/>

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

End

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 165

4.34 PostgreSQL License

PostgreSQL Database Management System
(formerly known as Postgres, then as Postgres95)

Portions 1996-2014, The PostgreSQL Global Development Group

Portions 1994, The Regents of the University of California

Permission to use, copy, modify, and distribute this software and its documentation for any purpose, without fee, and without a written agreement is hereby granted, provided that the above copyright notice and this paragraph and the following two paragraphs appear in all copies.

IN NO EVENT SHALL THE UNIVERSITY OF CALIFORNIA BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE UNIVERSITY OF CALIFORNIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.


THE UNIVERSITY OF CALIFORNIA SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE UNIVERSITY OF CALIFORNIA HAS NO OBLIGATIONS TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

4.35 Python License 2.0

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "2001, 2002, 2003, 2004, 2005, 2006 Python Software Foundation; All Rights

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 166

Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.


7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 167

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.


4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI OPEN SOURCE LICENSE AGREEMENT (for Python 1.6b1)
IMPORTANT: PLEASE READ THE FOLLOWING AGREEMENT CAREFULLY.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 168

BY CLICKING ON "ACCEPT" WHERE INDICATED BELOW, OR BY COPYING, INSTALLING OR OTHERWISE USING PYTHON 1.6, beta 1 SOFTWARE, YOU ARE DEEMED TO HAVE AGREED TO THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT.

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6, beta 1 software in source or binary form and its associated documentation, as released at the www.python.org Internet site on August 4, 2000 ("Python 1.6b1").


2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6b1 alone or in any derivative version, provided, however, that CNRI's License Agreement is retained in Python 1.6b1, alone or in any derivative version prepared by Licensee.

Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6, beta 1, is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1011. This Agreement may also be obtained from a proxy server on the Internet using the URL:<http://hdl.handle.net/1895.22/1011>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6b1 or any part thereof, and wants to make the derivative work available to the public as provided herein, then Licensee hereby agrees to indicate in any such work the nature of the modifications made to Python 1.6b1.

4. CNRI is making Python 1.6b1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6b1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 169

SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING PYTHON 1.6b1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by and interpreted in all respects by the law of the State of Virginia, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6b1, Licensee agrees to be bound by the terms and conditions of this License Agreement.


ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 170

WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

4.36 Silicon Graphics License

(c) Copyright 1994-9, Silicon Graphics, Inc.
ALL RIGHTS RESERVED

Permission to use, copy, modify, and distribute this software for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice appear in supporting documentation, and that the name of Silicon Graphics, Inc. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.


THE MATERIAL EMBODIED ON THIS SOFTWARE IS PROVIDED TO YOU "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SILICON GRAPHICS, INC. BE LIABLE TO YOU OR ANYONE ELSE FOR ANY DIRECT, SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER, INCLUDING WITHOUT LIMITATION, LOSS OF PROFIT, LOSS OF USE, SAVINGS OR REVENUE, OR THE CLAIMS OF THIRD PARTIES, WHETHER OR NOT SILICON GRAPHICS, INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSS, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE POSSESSION, USE OR PERFORMANCE OF THIS SOFTWARE.

4.37 TCP Wrappers License

Copyright 1995 by Wietse Venema. All rights reserved. Some individual files may be covered by other copyrights.

This material was originally written and compiled by Wietse Venema at Eindhoven University of Technology, The Netherlands, in 1990, 1991, 1992, 1993, 1994 and 1995.

Redistribution and use in source and binary forms are permitted provided that this entire copyright notice is duplicated in all such copies.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 171

This software is provided "as is" and without any expressed or implied warranties, including, without limitation, the implied warranties of merchantability and fitness for any particular purpose.

4.38 The FreeType Project License

The FreeType Project LICENSE

2006-Jan-27

Copyright 1996-2002, 2006 by
David Turner, Robert Wilhelm, and Werner Lemberg


Introduction

The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

- We don't promise that this software works. However, we will be interested in any kind of bug reports. ('as is' distribution)
- You can use this software for whatever you want, in parts or full form, without having to pay us. ('royalty-free' usage)
- You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 172

somewhere in your documentation that you have used the FreeType code. ('credits')

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

Portions of this software are copyright (c) <year> The FreeType Project (www.freetype.org). All rights reserved.

Please replace <year> with the value from the FreeType version you actually use.

Legal Terms


Definitions

Throughout this license, the terms 'package', 'FreeType Project', and 'FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the 'FreeType Project', be they named as alpha, beta or final release.

'You' refers to the licensee, or person using the project, where 'using' is a generic term including compiling the project's source code as well as linking it to form a 'program' or 'executable'. This program is referred to as 'a program using the FreeType Engine'.

This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive. If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is 1996-2000 by David Turner,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 173

Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

1. No Warranty

THE FREETYPE PROJECT IS PROVIDED 'AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT.

2. Redistribution


This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

- Redistribution of source code must retain this license file ('FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.
- Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising

Neither the FreeType authors and contributors nor you shall use

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 174

the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: 'FreeType Project', 'FreeType Engine', 'FreeType library', or 'FreeType Distribution'.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts

There are two mailing lists related to FreeType:

- freetype@nongnu.org

Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution.

If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

- freetype-devel@nongnu.org

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.


Our home page can be found at

<http://www.freetype.org>

4.39 Tiff License

1988-1997 Sam Leffler

1991-1997 Silicon Graphics, Inc.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 175

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that

- (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and
- (ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics.

THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

4.40 Unicode License

Unicode License


2001 Unicode, Inc.

Disclaimer

This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt.

Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice remains attached.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 176

4.41 X Consortium License

1998 Red Hat Software

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

4.42 zlib License


The Zlib/libpng License

<year> <copyright holders>

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 177


misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

4.43 OpenSceneGraph Public License

OpenSceneGraph Public License, Version 0.0 Copyright (C) 2002 Robert Osfield. Everyone is permitted to copy and distribute verbatim copies of this licence document, but changing it is not allowed. OPENSCENEGAPH PUBLIC LICENCE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION This library is free software; you can redistribute it and/or modify it under the terms of the OpenSceneGraph Public License (OSGPL) version 0.0 or later. Notes: the OSGPL is based on the LGPL, with the 4 exceptions laid out in the wxWindows section below. The LGPL is contained in the final section of this licensewxWindows Library Licence, Version 3 Copyright (C) 1998 Julian Smart, Robert Roebling [, ..] Everyone is permitted to copy and distribute verbatim copies of this licence document, but changing it is not allowed. WXWINDOWS LIBRARY LICENCE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public Licence as published by the Free Software Foundation; either version 2 of the Licence, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public Licence for more details. You should have received a copy of the GNU Library General Public Licence along with this software, usually in a file named COPYING.LIB. If not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. EXCEPTION NOTICE


1. As a special exception, the copyright holders of this library give permission for additional uses of the text contained in this release of the library as licenced under the wxWindows Library Licence, applying either version 3 of the Licence, or (at your option) any later version of the Licence as published by the copyright holders of version 3 of the Licence document.
2. The exception is that you may use, copy, link, modify and distribute under the user's own terms, binary object code versions of works based on the Library.
3. If you copy code from files distributed under the terms of the GNU General Public Licence or the GNU Library General Public Licence into a copy of this library, as this licence permits, the exception does not apply to the code that you add in this way. To avoid misleading anyone as to the status of such modified files, you must delete this exception notice from such code and/or adjust the licensing conditions notice accordingly.
4. If you write modifications of your own for this library, it is your choice whether to permit this exception to apply to your modifications. If you do not wish that, you must delete the exception notice from such code and/or adjust the licensing conditions notice accordingly. GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 178

changing it is not allowed. [This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below. When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things. To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it. For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights. We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library. To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license. Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs. When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library. We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances. For example, on rare occasions, there may be a

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 179

special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License. In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system. Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library. The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.


GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you". A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables. The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".) "Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library. Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library. You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.


2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 180

charge to all third parties under the terms of this License. d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful. (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.) These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library. In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License. 3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices. Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy. This option is useful when you wish to copy part of the code of the Library into a program that is not a library. 4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange. If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.


5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License. However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables. When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 181

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law. If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section

6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications. You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things: a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.) b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with. c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution. d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place. e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable. It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 182

library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things: a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above. b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.


8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 183

distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.


14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally. NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License). To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. , 1 April 1990 Ty Coon, President of Vice That's all there is to it!

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 184

4.44 Public Domain

Public domain code is not subject to any license.

4.45 GNU Library General Public License v2 or later

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble


The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to other libraries whose authors who decide to use it. You can use it for your libraries too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 185

recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.


Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 186

attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)


"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 187

based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.


(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 188

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.


5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 189

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.


You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 190

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.


9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 191

practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.


13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 192

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year name of author


This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 193

a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in
the library `Frob' (a library for tweaking knobs) written
by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

4.46 X11 License

Copyright (C) 1996 X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.


THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

X Window System is a trademark of X Consortium, Inc.

4.47 Apache License Version 1.1

Copyright (c) 2000 The Apache Software Foundation. All rights reserved.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 194

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.


4. The names "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.
5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

Portions of this software are based upon public domain software originally written at the

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 195

National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign.


4.48 INFO-ZIP License

This is version 1999-Oct-05 of the Info-ZIP copyright and license. The definitive version of this document should be available at <ftp://ftp.cdrom.com/pub/infozip/license.html> indefinitely. Copyright (c) 1990-1999 Info-ZIP. All rights reserved. For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals: Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Christian Spieler, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White. This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. Redistributions of source code must retain the above copyright notice, definition, disclaimer, and this list of conditions. 2. Redistributions in binary form must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. 3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, and dynamic, shared, or static library versions--must be plainly marked as such and must not be misrepresented as being the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or of the Info-ZIP URL(s). 4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.

4.49 Artistic License 1.0

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 196

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:


a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 197

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.


9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

4.50 The Qt company LGPL Exception version 1.1

The Qt Company Qt LGPL Exception version 1.1

As an additional permission to the GNU Lesser General Public License version 2.1, the object code form of a "work that uses the Library" may incorporate material from a header file that is part of the Library. You may distribute such object code under terms of your choice, provided that:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 198

- (i) The header files of the Library have not been modified; and
- (ii) The incorporated material is limited to numerical parameters, data structure layouts, accessors, macros, inline functions and templates; and
- (iii) You comply with the terms of Section 6 of the GNU Lesser General Public License version 2.1.

Moreover, you may apply this exception to a modified version of the Library, provided that such modification does not involve copying material from the Library into the modified Library's header files unless such material is limited to (i) numerical parameters; (ii) data structure layouts;

(iii) accessors; and (iv) small macros, templates and inline functions of five lines or less in length. Furthermore, you are not required to apply this additional permission to a modified version of the Library.

4.51 NeuQuant Neural-Net Quantization Algorithm License

Copyright (c) 1994 Anthony Dekker

NEUQUANT Neural-Net quantization algorithm by Anthony Dekker, 1994. See "Kohonen neural networks for optimal colour quantization" in "Network: Computation in Neural Systems" Vol. 5 (1994) pp 351-367. for a discussion of the algorithm.

See also <http://members.ozemail.com.au/~dekker/NEUQUANT.HTML>


Any party obtaining a copy of these files from the author, directly or indirectly, is granted, free of charge, a full and unrestricted irrevocable, world-wide, paid up, royalty-free, nonexclusive right and license to deal in this software and documentation files (the "Software"), including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons who receive copies from any such party to do so, with the only requirement being that this copyright notice remain intact.

4.52 copyleft-next 0.3.0

copyleft-next 0.3.0 ("this License") Release date: 2013-05-16

1. License Grants; No Trademark License Subject to the terms of this License, I grant You: a) A non-exclusive, worldwide, perpetual, royalty-free, irrevocable copyright license, to reproduce, Distribute, prepare derivative works of, publicly perform and publicly display My Work. b) A non-exclusive, worldwide, perpetual, royalty-free, irrevocable patent license under Licensed Patents to make, have made, use, sell, offer for sale, and import Covered Works. This License does not grant any rights in My name, trademarks, service marks, or logos.

2. Distribution: General Conditions You may Distribute Covered Works, provided that You (i)

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 199

inform recipients how they can obtain a copy of this License; (ii) satisfy the applicable conditions of sections 3 through 6; and (iii) preserve all Legal Notices contained in My Work (to the extent they remain pertinent). "Legal Notices" means copyright notices, license notices, license texts, and author attributions, but does not include logos, other graphical images, trademarks or trademark legends.

3. Conditions for Distributing Derived Works; Outbound GPL Compatibility If You Distribute a Derived Work, You must license the entire Derived Work as a whole under this License, with prominent notice of such licensing. This condition may not be avoided through such means as separate Distribution of portions of the Derived Work. You may additionally license the Derived Work under the GPL, so that the recipient may further Distribute the Derived Work under either this License or the GPL.

4. Condition Against Further Restrictions; Inbound License Compatibility When Distributing a Covered Work, You may not impose further restrictions on the exercise of rights in the Covered Work granted under this License. This condition is not excused merely because such restrictions result from Your compliance with conditions or obligations extrinsic to this License (such as a court order or an agreement with a third party). However, You may Distribute a Covered Work incorporating material governed by a license that is both OSI-Approved and FSF-Free as of the release date of this License, provided that Your Distribution complies with such other license.

5. Conditions for Distributing Object Code You may Distribute an Object Code form of a Covered Work, provided that you accompany the Object Code with a URL through which the Corresponding Source is made available, at no charge, by some standard or customary means of providing network access to source code. If you Distribute the Object Code in a physical product or tangible storage medium ("Product"), the Corresponding Source must be available through such URL for two years from the date of Your most recent Distribution of the Object Code in the Product. However, if the Product itself contains or is accompanied by the Corresponding Source (made available in a customarily accessible manner), You need not also comply with the first paragraph of this section. Each recipient of the Covered Work from You is an intended third-party beneficiary of this License solely as to this section 5, with the right to enforce its terms.


6. Symmetrical Licensing Condition for Upstream Contributions If You Distribute a work to Me specifically for inclusion in or modification of a Covered Work (a "Patch"), and no explicit licensing terms apply to the Patch, You license the Patch under this License, to the extent of Your copyright in the Patch. This condition does not negate the other conditions of this License, if applicable to the Patch.

7. Nullification of Copyleft/Proprietary Dual Licensing If I offer to license, for a fee, a Covered Work under terms other than a license that is OSI-Approved or FSF-Free as of the release date of this License or a numbered version of copyleft-next released by the Copyleft-Next Project, then the license I grant You under section 1 is no longer subject to the conditions in sections 2 through 5.

8. Copyleft Sunset The conditions in sections 2 through 5 no longer apply once fifteen years have elapsed from the date of My first Distribution of My Work under this License.

9. Pass-Through When You Distribute a Covered Work, the recipient automatically receives a license to My Work from Me, subject to the terms of this License.

10. Termination Your license grants under section 1 are automatically terminated if You a) fail

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 200

to comply with the conditions of this License, unless You cure such noncompliance within thirty days after becoming aware of it, or b) initiate a patent infringement litigation claim (excluding declaratory judgment actions, counterclaims, and cross-claims) alleging that any part of My Work directly or indirectly infringes any patent. Termination of Your license grants extends to all copies of Covered Works You subsequently obtain. Termination does not terminate the rights of those who have received copies or rights from You subject to this License. To the extent permission to make copies of a Covered Work is necessary merely for running it, such permission is not terminable.


11. Later License Versions The Copyleft-Next Project may release new versions of copyleft-next, designated by a distinguishing version number ("Later Versions"). Unless I explicitly remove the option of Distributing Covered Works under Later Versions, You may Distribute Covered Works under any Later Version.

12. No Warranty My Work is provided "as-is", without warranty. You bear the risk of using it. To the extent permitted by applicable law, each Distributor of My Work excludes the implied warranties of title, merchantability, fitness for a particular purpose and non-infringement.

13. Limitation of Liability To the extent permitted by applicable law, in no event will any Distributor of My Work be liable to You for any damages whatsoever, whether direct, indirect, special, incidental, or consequential damages, whether arising under contract, tort (including negligence), or otherwise, even where the Distributor knew or should have known about the possibility of such damages.

14. Severability The invalidity or unenforceability of any provision of this License does not affect the validity or enforceability of the remainder of this License. Such provision is to be reformed to the minimum extent necessary to make it valid and enforceable.

15. Definitions "Copyleft-Next Project" means the project that maintains the source code repository at as of the release date of this License. "Corresponding Source" of a Covered Work in Object Code form means (i) the Source Code form of the Covered Work; (ii) all scripts, instructions and similar information that are reasonably necessary for a skilled developer to generate such Object Code from the Source Code provided under (i); and (iii) a list clearly identifying all Separate Works (other than those provided in compliance with (ii)) that were specifically used in building and (if applicable) installing the Covered Work (for example, a specified proprietary compiler including its version number). Corresponding Source must be machine-readable. "Covered Work" means My Work or a Derived Work. "Derived Work" means a work of authorship that copies from, modifies, adapts, is based on, is a derivative work of, transforms, translates or contains all or part of My Work, such that copyright permission is required. The following are not Derived Works: (i) Mere Aggregation; (ii) a mere reproduction of My Work; and (iii) if My Work fails to explicitly state an expectation otherwise, a work that merely makes reference to My Work. "Distribute" means to distribute, transfer or make a copy available to someone else, such that copyright permission is required. "Distributor" means Me and anyone else who Distributes a Covered Work. "FSF-Free" means classified as 'free' by the Free Software Foundation. "GPL" means a version of the GNU General Public License or the GNU Affero General Public License. "I"/"Me"/"My" refers to the individual or legal entity that places My Work under this License. "You"/"Your" refers to the individual or legal entity exercising rights in My Work under this License. A legal entity includes each entity that controls, is controlled by, or is under common control with such legal entity. "Control" means

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 201

(a) the power to direct the actions of such legal entity, whether by contract or otherwise, or (b) ownership of more than fifty percent of the outstanding shares or beneficial ownership of such legal entity. "Licensed Patents" means all patent claims licensable royalty-free by Me, now or in the future, that are necessarily infringed by making, using, or selling My Work, and excludes claims that would be infringed only as a consequence of further modification of My Work. "Mere Aggregation" means an aggregation of a Covered Work with a Separate Work. "My Work" means the particular work of authorship I license to You under this License. "Object Code" means any form of a work that is not Source Code. "OSI-Approved" means approved as 'Open Source' by the Open Source Initiative. "Separate Work" means a work that is separate from and independent of a particular Covered Work and is not by its nature an extension or enhancement of the Covered Work, and/or a runtime library, standard library or similar component that is used to generate an Object Code form of a Covered Work. "Source Code" means the preferred form of a work for making modifications to it.

4.53 Stunnel GPL 2.0 with Exception License

Copyright (C) 1998-2012 Michal Trojnara


Linking stunnel statically or dynamically with other modules is making a combined work based on stunnel. Thus, the terms and conditions of the GNU General Public License cover the whole combination.

In addition, as a special exception, the copyright holder of stunnel gives you permission to combine stunnel with free software programs or libraries that are released under the GNU LGPL and with code included in the standard release of OpenSSL under the OpenSSL License (or modified versions of such code, with unchanged license). You may copy and distribute such a system following the terms of the GNU GPL for stunnel and the licenses of the other code concerned.

Note that people who make modified versions of stunnel are not obligated to grant this special exception for their modified versions; it is their choice whether to do so. The GNU General Public License gives permission to release a modified version without this exception; this exception also makes it possible to release a modified version which carries forward this exception.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 202

of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.


Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

1. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 203

Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".


Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

2. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

3. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a. You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
 - b. You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
 - c. If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 204

regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.


In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

4. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
 - a. Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - b. Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - c. Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

5. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 205

received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.


6. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
7. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
8. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

9. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 206

distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

10. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.


Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

11. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

12. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
13. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 207

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.


If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details
type `show w'. This is free software, and you are welcome
to redistribute it under certain conditions; type `show c'
for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 208


interest in the program 'Gnomovision'
(which makes passes at compilers) written
by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice


This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

4.54 BSD-like license (libktx)


LibKTX contains code (c) 2010 & (c) 2013 The Khronos Group Inc. (c) 2008 and (c) 2010 HI Corporation (c) 2005 Ericsson AB (c) 2003-2010, Troy D. Hanson A specific copyright is given in each source file. Default License With the exception of the files listed explicitly below, the source files are made available under the following BSD-like license. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included unaltered in all copies or substantial portions of the Materials. Any additions, deletions, or changes to the original source files must be clearly indicated in accompanying documentation. If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Khronos Group." THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS. hi_mark{,_sq}.ktx The HI logo textures are © & ™ HI Corporation and are provided for use only in testing the KTX loader. Any other use requires specific prior written permission from HI. Furthermore the name HI may not be used to endorse or promote products derived from this software without specific prior written permission. uthash.h uthash.h is made available under the following revised BSD license. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 209

CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. etcdec.cxx License etcdec.cxx is made available under the terms and conditions of the following License Agreement. Software License Agreement PLEASE REVIEW THE FOLLOWING TERMS AND CONDITIONS PRIOR TO USING THE ERICSSON TEXTURE COMPRESSION CODEC SOFTWARE (THE "SOFTWARE"). THE USE OF THE SOFTWARE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT (THE "SLA"). IF YOU DO NOT ACCEPT SUCH TERMS AND CONDITIONS YOU MAY NOT USE THE SOFTWARE. Subject to the terms and conditions of the SLA, the licensee of the Software (the "Licensee") hereby, receives a non-exclusive, non-transferable, limited, free-of-charge, perpetual and worldwide license, to copy, use, distribute and modify the Software, but only for the purpose of developing, manufacturing, selling, using and distributing products including the Software in binary form, which products are used for compression and/or decompression according to the Khronos standard specifications OpenGL, OpenGL ES and WebGL. Notwithstanding anything of the above, Licensee may distribute [etcdec.cxx] in source code form provided (i) it is in unmodified form; and (ii) it is included in software owned by Licensee. If Licensee institutes, or threatens to institute, patent litigation against Ericsson or Ericsson's affiliates for using the Software for developing, having developed, manufacturing, having manufactured, selling, offer for sale, importing, using, leasing, operating, repairing and/or distributing products (i) within the scope of the Khronos framework; or (ii) using software or other intellectual property rights owned by Ericsson or its affiliates and provided under the Khronos framework, Ericsson shall have the right to terminate this SLA with immediate effect. Moreover, if Licensee institutes, or threatens to institute, patent litigation against any other licensee of the Software for using the Software in products within the scope of the Khronos framework, Ericsson shall have the right to terminate this SLA with immediate effect. However, should Licensee institute, or threaten to institute, patent litigation against any other licensee of the Software based on such other licensee's use of any other software together with the Software, then Ericsson shall have no right to terminate this SLA. This SLA does not transfer to Licensee any ownership to any Ericsson or third party intellectual property rights. All rights not expressly granted by Ericsson under this SLA are hereby expressly reserved. Furthermore, nothing in this SLA shall be construed as a right to use or sell products in a manner which conveys or purports to convey whether explicitly, by principles of implied license, or otherwise, any rights to any third party, under any patent of Ericsson or of Ericsson's affiliates covering or relating to any combination of the Software with any other software or product (not licensed hereunder) where the right applies specifically to the combination and not to the software or product itself. THE SOFTWARE IS PROVIDED "AS IS". ERICSSON MAKES NO REPRESENTATIONS OF ANY KIND, EXTENDS NO WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS, IMPLIED OR STATUTORY; INCLUDING, BUT NOT LIMITED TO, EXPRESS, IMPLIED OR

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 210


STATUTORY WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, SATISFACTORY QUALITY, SUITABILITY, AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE IS WITH THE LICENSEE. SHOULD THE SOFTWARE PROVE DEFECTIVE, THE LICENSEE ASSUMES THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. ERICSSON MAKES NO WARRANTY THAT THE MANUFACTURE, SALE, OFFERING FOR SALE, DISTRIBUTION, LEASE, USE OR IMPORTATION UNDER THE SLA WILL BE FREE FROM INFRINGEMENT OF PATENTS, COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS OF OTHERS, AND THE VALIDITY OF THE LICENSE AND THE SLA ARE SUBJECT TO LICENSEE'S SOLE RESPONSIBILITY TO MAKE SUCH DETERMINATION AND ACQUIRE SUCH LICENSES AS MAY BE NECESSARY WITH RESPECT TO PATENTS, COPYRIGHT AND OTHER INTELLECTUAL PROPERTY OF THIRD PARTIES. THE LICENSEE ACKNOWLEDGES AND ACCEPTS THAT THE SOFTWARE (I) IS NOT LICENSED FOR; (II) IS NOT DESIGNED FOR OR INTENDED FOR; AND (III) MAY NOT BE USED FOR; ANY MISSION CRITICAL APPLICATIONS SUCH AS, BUT NOT LIMITED TO OPERATION OF NUCLEAR OR HEALTHCARE COMPUTER SYSTEMS AND/OR NETWORKS, AIRCRAFT OR TRAIN CONTROL AND/OR COMMUNICATION SYSTEMS OR ANY OTHER COMPUTER SYSTEMS AND/OR NETWORKS OR CONTROL AND/OR COMMUNICATION SYSTEMS ALL IN WHICH CASE THE FAILURE OF THE SOFTWARE COULD LEAD TO DEATH, PERSONAL INJURY, OR SEVERE PHYSICAL, MATERIAL OR ENVIRONMENTAL DAMAGE. LICENSEE'S RIGHTS UNDER THIS LICENSE WILL TERMINATE AUTOMATICALLY AND IMMEDIATELY WITHOUT NOTICE IF LICENSEE FAILS TO COMPLY WITH THIS PARAGRAPH. IN NO EVENT SHALL ERICSSON BE LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO PERSONAL INJURY, ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF OR IN CONNECTION WITH THE USE OR INABILITY TO USE THE SOFTWARE (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, BUSINESS INTERRUPTIONS, OR ANY OTHER COMMERCIAL DAMAGES OR LOSSES, LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY THE LICENSEE OR THIRD PARTIES OR A FAILURE OF THE SOFTWARE TO OPERATE WITH ANY OTHER SOFTWARE) REGARDLESS OF THE THEORY OF LIABILITY (CONTRACT, TORT, OR OTHERWISE), EVEN IF THE LICENSEE OR ANY OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Licensee acknowledges that "ERICSSON //" is the corporate trademark of Telefonaktiebolaget LM Ericsson and that both "Ericsson" and the figure " //" are important features of the trade names of Telefonaktiebolaget LM Ericsson. Nothing contained in these terms and conditions shall be deemed to grant Licensee any right, title or interest in the word "Ericsson" or the figure " //". No delay or omission by Ericsson to exercise any right or power shall impair any such right or power to be construed to be a waiver thereof. Consent by Ericsson to, or waiver of, a breach by the Licensee shall not constitute consent to, waiver of, or excuse for any other different or subsequent breach. This SLA shall be governed by the substantive law of Sweden. Any dispute, controversy or claim arising out of or in connection with this SLA, or the breach, termination or invalidity thereof, shall be submitted

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 211


to the exclusive jurisdiction of the Swedish Courts.

4.55 OSGEARTH SOFTWARE LICENSE

The osgEarth library and included programs are provided under the terms of the GNU Library General Public License (LGPL - included below) with the following exceptions and stipulations: 1. Static linking of applications and modules to the osgEarth library does NOT constitute a derivative work and does not require the author to provide source code for the application or module. 2. If you link the application or module to a modified version of the osgEarth library, then the modifications to osgEarth must be provided under the terms of the LGPL. 3. The text herein comprises the definitive licensing information for the osgEarth library, and supersedes any licensing text found in osgEarth source files, header files, or documentation. ---- GNU LESSER GENERAL PUBLIC LICENSE Version 3, 29 June 2007 Copyright (C) 2007 Free Software Foundation, Inc. Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below. 0. Additional Definitions. As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License. "The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below. An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library. A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version". The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version. The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work. 1. Exception to Section 3 of the GNU GPL. You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL. 2. Conveying Modified Versions. If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version: a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy. 3. Object Code

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 212

Incorporating Material from Library Header Files. The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following: a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License. b) Accompany the object code with a copy of the GNU GPL and this license document. 4. Combined Works. You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following: a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License. b) Accompany the Combined Work with a copy of the GNU GPL and this license document. c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document. d) Do one of the following: 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source. 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version. e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.) 5. Combined Libraries. You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following: a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License. b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work. 6. Revised Versions of the GNU Lesser General Public License. The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 213

License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation. If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

5. Other Open Source Dependencies:

5.1.1 X Windows - XFree86 1.9

Copyright © 1985.2., 1988, 1989, 1998 The Open Group.

Copyright © 1985.2., 1988, 1989 Digital Equipment Corporation, Maynard, Massachusetts.

Copyright © 1991, 1995.2. Digital Equipment Corporation, Maynard, Massachusetts.

Terms and Conditions: Refer section 5.2.1.1, 5.2.1.2, 5.2.1.3

5.1.2. Zlib - 1.1.4

Copyright © 1995-2002 Jean-loup Gailly and Mark Adler.

Terms and Conditions: Refer section 5.2.2

5.1.3.OpenSSL - 0.9.8x

Copyright © 1998-2011 The OpenSSL Project. See section 5.2.3.1.

Copyright © 1995-1998 Eric Young. See section 5.2.3.2.

Terms and Conditions: Refer section 5.2.3.1, 5.2.3.2

5.1.4.SHA


Copyright © 2002 Dr Brian Gladman, Worcester, UK.

Terms and Conditions: Refer section 5.2.4

5.1.5.AES

Copyright © 2003 Dr Brian Gladman, Worcester, UK.

Terms and Conditions: Refer section 5.2.5

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 214

5.1.6.EAX

Copyright © 2003 Dr Brian Gladman, Worcester, UK.
Terms and Conditions: Refer section 5.2.6

5.1.7.Expat - 2.0.1

Copyright © 1998,1999, 2000 Thai Open Source Software center Ltd and Clark Cooper.
Copyright © 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.
Terms and Conditions: Refer section 5.2.8

5.1.8.Libpng - 1.2.40

Copyright © 2004 and 2006-2009 Glenn Randers-Pehrson.
Terms and Conditions: Refer section 5.2.9

5.1.9.Libzip - 0.9

Copyright © 1999-2008 Dieter Baron and Thomas Klausner.
Copyright © 1994, 1995, 1996, 1995.2., 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2005.2., 2008 Free Software Foundation, Inc.
Copyright © 1985.2., 1993 The Regents of the University of California. All Rights Reserved.
Terms and Conditions: Refer section 5.2.10

5.1.10.JPEG - 6b

Copyright © 1991-1998 Thomas G. Lane.
Terms and Conditions: Refer section 5.2.9

5.1.11 Libjpegturbo - 1.2.1


Copyright © 1991-2011 Thomas G. Lane, Guido Vollbeding, Pierre Ossman for Cendio AB, and D. R. Commander. See <http://sourceforge.net/projects/libjpegturbo/>.
Terms and Conditions: Refer section 5.2.7

5.1.12 GCC libstdc++ - 4.1.2

Copyright © 1994 to 2009 Free Software Foundation, Inc.
Terms and Conditions: Refer section 5.2.13

5.1.13 Keysymdef

Copyright © 1985.2., 1994, 1998 The Open Group.
Copyright © 1985.2. by Digital Equipment Corporation, Maynard, Massachusetts.
Terms and Conditions: Refer section 5.2.14

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 215

5.1.14 Endian

Copyright © 2003 Dr Brian Gladman, Worcester, UK.

Terms and Conditions: Refer section 5.2.15

5.1.15 JRTPLIB - 3.9.1

Terms and Conditions: Refer section 5.2.16

5.1.16 JThread - 1.3.1

Terms and Conditions: Refer section 5.2.17

5.1.17 Portaudio - 1.9

Copyright © 1999-2011 Ross Bencina and Phil Burk.

Terms and Conditions: Refer section 5.2.18

5.1.18 Libxml2 - 2.9.1

Copyright © 1998-2012 Daniel Veillard.

Terms and Conditions: Refer section 5.2.19

Note: RealVNC has made some small modifications to this software.

5.1.19 Miniupnpc - 1.5

Copyright © 2005-2009 and 2005-2011 Thomas Bernard.

Terms and Conditions: Refer section 5.2.20

Note: RealVNC has made a number of modifications to this software. See section 5.2.19.3.

5.1.20 Zlib - 1.2.3

Copyright © 1995-2005 Jean-Loup Gailly and Mark Adler.


Terms and Conditions: Refer section 5.2.2

5.1.21 LibTomCrypt - 1.16

Terms and Conditions: Refer section 5.2.21

5.1.22 LibTomMath - 0.39

Terms and Conditions: Refer section 5.2.22

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 216

5.1.23 Base64.java - 2.3.5.2.

Terms and Conditions: Refer section 5.2.23

5.1.24 Internal Android OS APIs

Copyright 2005-2013, The Android Open Source Project Licensed under the Apache License, Version 2.0 (the "License").

Terms and Conditions: Refer section 5.2.24

5.1.25 ExtractMpeg FramesTest. java

Copyright 2013, The Android Open Source Project

Terms and Conditions: Refer section 5.2.25

5.1.26 Libupnp (pupnp) - 1.6.19

Copyright (c) 2000-2003 Intel Corporation.

Copyright (c) 2005-2006 Rémi Turbault <r3mi@users.sourceforge.net>

Copyright (c) 2006 Michel Pfeiffer and others <virtual_worlds@gmx.de>.

Copyright (c) 2011-2012 France Telecom.

Terms and Conditions: Refer section 5.2.26

5.1.27 Libxml2 - 2.9.1

Copyright © 1998-2012 Daniel Veillard..

Note: RealVNC has made some small modifications to this software.

Terms and Conditions: Refer section 5.2.19

5.1.28 OpenSSL - 0.9.8x

Copyright © 1998-2011 The OpenSSL Project.

Copyright © 1995-1998 Eric Young.

Terms and Conditions: Refer section 5.2.3.1, 5.2.3.2, 5.2.3.3.

5.1.29 Wpa_supplicant - 2.3


Copyright © 2002-2014 Jouni Malinen and contributors.

Terms and Conditions: Refer section 5.2.28

5.1.30 Pythonpsutil_2.1.3.bb

Copyright © 2012-2014 Otavio Salvador.

Terms and Conditions: Refer section 5.2.28

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 217

5.1.31 Android SupportLibraries - 19.0.0

Copyright (c) 2005-2008, The Android Open Source Project
For detailed licensing information, see <http://www.apache.org/licenses/>.
Terms and Conditions: Refer section 5.2.29

5.1.33 axTLS - 1.1.8

Copyright © 2005.2. Cameron Rich.
Terms and Conditions: Refer section 5.2.32

5.1.34 Action - 0.1.1

Home Page: <http://repo1.maven.org/maven2/com/ning/metrics/action/>
License: Apache License 2.0

5.1.35 Android - platform - frameworks – base - 4.0.1_r1

Home Page: <http://developer.android.com/index.html>
License: Apache License 2.0

5.1.36 Android - platform - prebuilts – sdk - 4.4_r1

Home Page: <http://developer.android.com/index.html>
License: Apache License 2.0

5.1.37 Android SDK Support Libraries – 19,23.1.1

Home Page: <https://developer.android.com/tools/support-library/index.html>
License: Apache License 2.0

5.1.38 Android SDK Support Libraries


Drools:: Scorecards - 5.5.0.Final
Home Page : <http://mirrors.ibiblio.org/maven2/org/drools/drools-scorecards/>
License: Apache License 2.0

5.1.39 Mongolduu - master-20121109

Home Page: <http://github.com/tugstugi/mongolduu/>
License: Apache License 2.0

5.1.40 Stan-for-Android - 0.1.0

Home Page: <http://github.com/Label305/Stan-for-Android/>
License: Apache License 2.0

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 218

5.1.41 doT - 1.0.1

Home Page: <http://github.com/olado/doT/>

License: MIT License

5.1.42 JQuery: 2.0.3

Home Page: <http://github.com/jquery/jquery/>

License: MIT License

5.1.43 jquery_mobile_rails - 1.3.2

Home Page: http://rubygems.org/gems/jquery_mobile_rails

License: MIT License

5.1.44 SafeSlinger-Android - 1.8.3-messenger

Home Page: <http://github.com/SafeSlingerProject/SafeSlinger-Android/>

License: MIT License

5.1.45 OpenSSL

Home Page: <http://www.openssl.org/>

License: OpenSSL Combined License

5.1.46 CRC32

Home Page: <http://web.mit.edu/>

License: Public Domain

5.1.47 SHA-1 in C

Home Page: <http://www.mirrors.wiretapped.net/security/cryptography/ hashes/sha1>

License: Public Domain

5.1.48 SyncML C Toolkit - 4.0.3

Home Page: <http://sourceforge.net/projects/syncml-ctoolkit/>

License: SyncML License

5.1.49 CMarkup - 11.05

License: Acquired Cmarkup developer license


5.1.50 Freescale Semiconductor CodeWarrior Development Studio for MPC55xx/MPC56xx Microcontrollers - 2.10 special edition

License: Acquired commercial license

5.1.51 LZO real-time data compression library - 2.04

Home Page <http://www.oberhumer.com/opensource/lzo/>

License: Acquired commercial license

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 219

5.1.52 UCL Data Compression Library - 1.03

Home Page: <http://www.oberhumer.com/opensource/ucl/>

License: Acquired commercial license

5.1.53 Android - platform - bootable – recovery - 4.0.1_r1

Home Page: <http://developer.android.com/index.html>

License: Apache License 2.0

5.1.54 Android - platform - bootable – recovery - 5.0.0_r1

Home Page: <http://developer.android.com/index.html>

License: Apache License 2.0

5.1.55 Android - platform - bootable – recovery - 2.3_r1

Home Page: <http://developer.android.com/index.html>

License: Apache License 2.0

5.1.56 Android - platform - system – core - 4.2

Home Page: <http://developer.android.com/index.html>

License:

5.1.57 File system in Userspace - 2.8.7

Home Page: <http://sourceforge.net/projects/fuse/>

License: BSD 2-clause "Simplified" License

5.1.58 lz4 Compression algorithm - r111

Home Page: <http://code.google.com/p/lz4/>

License: BSD 2-clause "Simplified" License

5.1.59 Android -platform - system - core/libmincrypt

Home Page: <https://android.googlesource.com/platform/system/core/+master/libmincrypt>

License: BSD 3-clause "New" or "Revised" License

5.1.60 lucy search engine – lucy - 0.6.0

Home Page: <http://sourceforge.net/projects/lucy-search/>

License: BSD 3-clause "New" or "Revised" License


5.1.61 NetBSD - 1.4

Home Page: <http://www.netbsd.org/>

License: BSD 3-clause "New" or "Revised" License

5.1.62 Open BSD - 4.5

Home Page: <http://www.openbsd.org>

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 220

License: BSD 3-clause "New" or "Revised" License

5.1.63 Bsdiff - 4.3

Home Page: <http://github.com/geraldonetto/bsdifff/>

Home Page: <http://www.daemonology.net/bsdifff/>

License: BSDiff license

5.1.64 GNU C Library – glibc - 2.2.4

Home Page: <http://www.gnu.org/software/libc/libc.html>

We use only content from the header file elf.h.

License: GNU General Public License v2.0 or later

5.1.65 IGEP Linux Kernel - 2.6.28.10-igep0020b-0

Home Page: <http://www.igep.es/>

License: GNU General Public License v2.0 or later

5.1.66 squashfs - a compressed fs for Linux - squashfs4.3

Home Page: <http://sourceforge.net/projects/squashfs/>

We use only content from header files.

License: GNU General Public License v2.0 or later

5.1.67 File system in User space - 2.9.3

Home Page: <http://sourceforge.net/projects/fuse/>

License: GNU Lesser General Public License v2.1 or later

5.1.68 Libdivsufsort - 2.0.0

Home Page: <http://code.google.com/p/libdivsufsort/>

License: MIT License

5.1.69 Test-SQLite-blob - trunk-20120916-svn

Home Page: <http://code.google.com/p/test-sqlite-blob/>

License: MIT License

5.1.70 7 Zip - LZMA SDK - 9.2

Home Page: <http://www.7-zip.org/sdk.html>


License: Public Domain

5.1.71 7-Zip - 7-Zip -3.11

Home Page: <http://sourceforge.net/projects/sevenzips/>

License: Public Domain

5.1.72 CRC32 MIT.edu

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 221

Home Page: <http://web.mit.edu/freebsd/head/sys/libkern/>

License: Public Domain

5.1.73 XZ Utils -5.0.7

Home Page: <http://tukaani.org/xz/>

License identified by header files comments. Copyright holders put it in the public domain.

License: Public Domain

5.1.74 Zlib - 1.2.3

Home Page <http://www.zlib.net>

License: zlib License

5.1.75 Android - platform – dalvik - 2.1_r1

Home Page: <http://developer.android.com/index.html>

License: Apache License 2.0

5.2 Licensing, copyright, acknowledgements, and modifications

This section contains the licenses and copyright notices for the open source software used by other open source *dependencies*

5.2.1 X Windows

Multiple copyright notices apply to X Windows, as follows.

5.2.1.1 The Open Group


Copyright 1985.2., 1988, 1989, 1998 The Open Group (miregion.cxx)

Copyright 1985.2., 1998 The Open Group (miregion.h and regionstr.h)

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 222

WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

5.2.1.2 Digital Equipment Corporation

Copyright 1985.2., 1988, 1989 by Digital Equipment Corporation, Maynard, Massachusetts (myregion.cxx)

Copyright 1985.2. by Digital Equipment Corporation, Maynard, Massachusetts (myregion.h and regionstr.h)

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Digital not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

DIGITAL DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

5.2.1.3 Digital Equipment Corporation - Panoramix components

Copyright (c) 1991, 1995.2. Digital Equipment Corporation, Maynard, Massachusetts.
Permission is hereby granted free of charge, to any person obtaining a copy of this software and associated documentation files (The "the Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.


THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL DIGITAL EQUIPMENT

CORPORATION BE LIABLE FOR ANY CLAIM, DAMAGES, INCLUDING, BUT NOT LIMITED TO

CONSEQUENTIAL OR INCIDENTAL DAMAGES, OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 223

CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Digital Equipment Corporation shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from Digital Equipment Corporation.

5.2.2 Zlib

Acknowledgements:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

Copyright notice:

(C) 1995-2002 and 1995-2005 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution. Jean-loup Gailly

Mark Adler *jloup@gzip.org madler@alumni.caltech.edu*

If you use the zlib library in a product, we would appreciate not receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes.

5.2.3 OpenSSL


Multiple copyright notices apply to OpenSSL, as follows:

5.2.3.1 The OpenSSL Project

LICENSE ISSUES

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original

SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 224

OpenSSL please contact opensslcore@openssl.org. OpenSSL License

This distribution includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>):

Copyright (c) 1998-2011 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:

"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact opensslcore@openssl.org.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following acknowledgment:

"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS" AND ANY EXPRESSED OR IMPLIED

WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY

AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL


PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,

EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

Note: This is the end of the license. The file then includes the "Original SSLeay License", which

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 225

is provided in section 5.2.1.3.2.

5.2.3.2 Eric Young

This distribution includes cryptographic software written by Eric Young

(eay@cryptsoft.com): Copyright (C) 1995-1998 Eric Young

(eay@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscape's SSL.

This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:


"This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)"
The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related

:-).

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement:

"This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 226

LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

5.2.3.3 RealVNC modifications to OpenSSL

RealVNC has made the following modifications to OpenSSL 0.9.8zf:

- The hard-coding of config options in opensslconf.h.
- The addition of compile-time checks to remove dependencies of the C stio library and on Win32 UI.
- The addition of compile-time checks to remove filename strings from release binaries.

5.2.4 SHA

Multiple copyright notices apply to SHA, as follows:

5.2.4.1 Dr Brian Gladman

This distribution includes cryptographic code by Dr Brian Gladman:

Copyright (c) 2002 Dr Brian Gladman, Worcester, UK. All rights reserved.

LICENSE TERMS


The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;
2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;
3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

ALTERNATIVELY, provided that this notice is retained in full, this product may be distributed under the terms of the GNU General Public License (GPL), in which case the provisions of the GPL apply INSTEAD OF those given above.

DISCLAIMER

This software is provided 'as is' with no explicit or implied warranties in respect of its properties,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 227

including, but not limited to, correctness and/or fitness for purpose.

5.2.4.2 Cameron Rich

This product contains code for SHA1

provided by: - Copyright (c) 2005.2.,

Cameron Rich All rights reserved.

- Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the axTLS project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.


5.2.5 AES

This product contains code for AES provided by: -

Copyright (c) 1998-2008, Dr Brian Gladman, Worcester, UK. All rights reserved.

LICENSE TERMS

The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 228

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;
2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;
3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

ALTERNATIVELY, provided that this notice is retained in full, this product may be distributed under the terms of the GNU General Public License (GPL), in which case the provisions of the GPL apply INSTEAD OF those given above.

DISCLAIMER

This software is provided 'as is' with no explicit or implied warranties in respect of its properties, including, but not limited to, correctness and/or fitness for purpose.

5.2.6 EAX

Copyright (c) 1998-2010, Brian Gladman, Worcester, UK. All rights reserved.

LICENSE TERMS

The redistribution and use of this software (with or without changes) is allowed without the payment of fees or royalties provided that:

1. source code distributions include the above copyright notice, this list of conditions and the following disclaimer;
2. binary distributions include the above copyright notice, this list of conditions and the following disclaimer in their documentation;
3. the name of the copyright holder is not used to endorse products built using this software without specific written permission.

DISCLAIMER


This software is provided 'as is' with no explicit or implied warranties in respect of its properties, including, but not limited to, correctness and/or fitness for purpose.

5.2.7 libjpeg-turbo

Extensive information on libjpeg-turbo can be found at <http://sourceforge.net/projects/libjpeg-turbo/>. The source contains a version of the libjpeg license, preceded by the following paragraph: *libjpeg-turbo mmnote: ##This## file contains portions of the libjpeg v6b and v8 README files, with additional wordsmithing by The libjpeg-turbo Project. It is included only for reference, as some parts of it may not apply to libjpeg-turbo. Please see README-turbo.txt for information specific to libjpeg-turbo.*

The extensive file, README-turbo.txt, which can be found in the source code retrieved from the above URL, contains the following license information:

LICENSE

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 229

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG/OSS wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS, "AS IS", AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
For licensing information on libjpeg itself, see section **Error! Reference source not found.**

5.2.8 expat


This distribution includes the Expat XML Parser library:

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd
and Clark Cooper

Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 230

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

5.2.9 libpng

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence. This code is released under the libpng license.

libpng versions 1.2.6, August 15, 2004, through 1.2.52, November 20, 2014, are Copyright (c) 2004, 2006-2014 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.2.5 with the following individual added to the list of Contributing Authors:

- Cosmin Truta

libpng versions 1.0.5.2., July 1, 2000, through 1.2.5, October 3, 2002, are Copyright (c) 2000-2002 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

- Simon-Pierre Cadieux
- Eric S. Raymond □ Gilles Vollant and with the following additions to the disclaimer:


There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

libpng versions 0.95.2., January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 1999, 2000 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

- Tom Lane
- Glenn Randers-Pehrson □ Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1995.2., are Copyright (c) 1996, 1995.2. Andreas Dilger

Distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 231

- John Bowler
- Kevin Bracey
- Sam Bushell
- Magnus Holmgren
- Greg Roelofs
- Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

- Andreas Dilger
- Dave Martindale
- Guy Eric Schalnat
- Paul Schmidt
- Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:


1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

A "png_get_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG log (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg" (88x31) and "pngnow.png" (98x31).

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 232

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative.

Glenn Randers-Pehrson

glennrp at

users.sourceforge.net

September 10, 2009

5.2.10 libzip

The following copyrights apply to libzip.

5.2.10.1 Dieter Baron and Thomas Klausner (see the files zip.h and zipint.h):

Copyright (C) 1999-2008 Dieter Baron and Thomas Klausner


This file is part of libzip, a library to manipulate ZIP archives.

The authors can be contacted at <libzip@nih.at>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 233

5.2.10.2 Free Software Foundation

Two copyright statements are included, as indicated below.

First statement (see the file INSTALL):

Copyright (C) 1994, 1995, 1996, 1999, 2000, 2001, 2002 Free Software Foundation, Inc.

This file is free documentation; the Free Software Foundation gives unlimited permission to copy, distribute and modify it.

Second statement (see the file aclocal.m4):

Copyright (C) 1996, 1995.2., 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2005.2., 2008 Free Software Foundation, Inc.

This file is free software; the Free Software Foundation gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, to the extent permitted by law; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

5.2.10.3 The Regents of the University of California (see the file mkstemp.c):

Adapted from NetBSB libc by Dieter Baron


The Regents of the University of California. All rights reserved.

Copyright (c) 1985.2., 1993

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BU NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOOS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 234

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5.2.10.4 RealVNC modifications to libzip

The open source component used by *VNC Automotive* consists of the lib subdirectory of libzip 0.9, plus two variants on the corresponding config.h template. Three modifications have been made, as follows:

- libzip.vcproj has been added.
- On Windows, in libzip.h and zipint.h, no-op ZIP_EXTERN so that we build for linking statically.
- On Windows, in mkstemp.c, pid_t and S_ISDIR have been defined, and io.h and process.h included.

5.2.11 FreeType

The FreeType Project LICENSE
2006-Jan-25.2.

Copyright 1996-2002, 2006 by David Turner, Robert Wilhelm, and Werner Lemberg

5.2.11.1 Definitions

Throughout this license, the terms 'package', 'FreeType Project', and 'FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the 'FreeType Project', be they named as alpha, beta or final release.


'You' refers to the licensee, or person using the project, where 'using' is a generic term including compiling the project's source code as well as linking it to form a 'program' or 'executable'. This program is referred to as 'a program using the FreeType engine'.

This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive. If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is copyright © 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

5.2.11.2 No Warranty

THE FREETYPE PROJECT IS PROVIDED 'AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 235

THE INABILITY TO USE, OF THE FREETYPE PROJECT.

5.2.11.3 Redistribution

This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

- Redistribution of source code must retain this license file ('FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.
- Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

5.2.11.4 Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission. We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: 'FreeType Project', 'FreeType Engine', 'FreeType library', or 'FreeType Distribution'.


As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

5.2.12 LodePNG

Copyright © 2005-2014 Lode Vandevenne

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 236

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

5.2.13 GCC libstdc++

This is not in our source delivery, but is statically linked in to our binary deliveries from the specified version of GCC. See <http://gcc.gnu.org/libstdc++> or <http://gcc.gnu.org/releases.html> for more information.

5.2.14 keysymdef

Copyright 1985.2., 1994, 1998 The

Open Group All Rights Reserved.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.


THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group. Copyright 1985.2. by Digital Equipment Corporation, Maynard, Massachusetts

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Digital not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

DIGITAL DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT,

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AI VI Project	Page 237

NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

5.2.15 Endian

Copyright (c) 2003, Dr Brian Gladman, Worcester, UK. All rights reserved.

LICENSE TERMS

The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;
2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;
3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

ALTERNATIVELY, provided that this notice is retained in full, this product may be distributed under the terms of the GNU General Public License (GPL), in which case the provisions of the GPL apply INSTEAD OF those given above.

DISCLAIMER

This software is provided 'as is' with no explicit or implied warranties in respect of its properties, including, but not limited to, correctness and/or fitness for purpose.

5.2.16 JRTPLIB

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:


The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT

HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 238

5.2.17 JThread

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT

HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

5.2.18 portaudio

Provides cross-platform Audio I/O. See <http://www.portaudio.com/> for further information.

PortAudio version 19 is licensed as follows:

PortAudio Portable Real-Time Audio Library Copyright (c) 1999-2011 Ross Bencina and Phil Burk

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

* The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.


THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT

HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The text above constitutes the entire PortAudio license; however, the PortAudio community also makes the following non-binding requests:

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 239

* Any person wishing to distribute modifications to the Software is requested to send the modifications to the original developer so that they can be incorporated into the canonical version. It is also requested that these nonbinding requests be included along with the license above.

5.2.19 libxml2

Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are: Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

5.2.19.1 License

Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT

HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.


5.2.19.2 hash.c

Copyright (C) 2000, 2012 Bjorn Reese and Daniel Veillard.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES,

INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 240

5.2.19.3 list.c

Copyright (C) 2000 Gary Pennington and Daniel Veillard.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES,

INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER.

5.2.19.4 trio.c, trio.h

Copyright (C) 1998 Bjorn Reese and Daniel Stenberg.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES,

INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER.

5.2.19.5 RealVNC modifications to libxml2

This is libxml2-2.9.1. Some small changes have been made to allow it to build for QNX and Android.

5.2.20 miniupnpc

A copyright notice is included within each file, and an additional license is provided.

5.2.20.1 Copyright notice

Project: miniupnp

Project web page: <http://miniupnp.free.fre/> or <http://miniupnp.tuxfamily.org/>


Author: Thomas Bernard

Copyright (c) 2005-2011 Thomas Bernard

This software is subject to the conditions detailed in the LICENSE file provided within this distribution.

5.2.20.2 License

Copyright (c) 2005-2009, Thomas

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 241

BERNARD All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5.2.20.3 RealVNC modifications

to miniupnpc The following


modifications have been made:

- Requests have been cancelled.
- MirrorLink-specific functionality has been added.
- Functionality specific to building for different hardware architectures has been added.

5.2.21 LibTomCrypt

LibTomCrypt, modular cryptographic library -- Tom St Denis

LibTomCrypt is a library that provides various cryptographic algorithms in a highly modular and

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 242

flexible manner.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, <http://libromcrypt.com>

5.2.22 LibTomMath

LibTomMath, multiple-precision integer library -- Tom St Denis

LibTomMath is a library that provides multiple-precision integer arithmetic as well as number theoretic functionality.

The library was designed directly after the MPI library by Michael Fromberger but has been written from scratch with additional optimizations in place.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, <http://math.libtomcrypt.com>

5.2.23 Base64.java

I am placing this code in the Public Domain. Do with it as you will.

This software comes with no guarantees or warranties but with plenty of well-wishing instead!

Please visit <http://iharder.net/base64> periodically to check for updates or to contribute improvements.

@author Robert Harder

@author rob@iharder.net

@version 2.3.5.2.

5.2.24 Internal Android OS APIs

Copyright 2005-2013, The Android Open Source Project

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

5.2.25 ExtractMpegFramesTest.java

Copyright 2013, The Android Open Source Project

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.


You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

5.2.26 libupnp (pupnp)

Copyright (c) 2000-2003 Intel Corporation. All rights reserved.

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 243

Copyright (c) 2005-2006 Rémi Turbault r3mi@users.sourceforge.net. All rights reserved.
 Copyright (c) 2006 Michel Pfeiffer and others

<virtual_worlds@gmx.de> Copyright (c) 2011-2012 France

Telecom. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Othe portions of this library are:


Copyright (c) 1990- 1993, 1996 Open Software Foundation, Inc.

Copyright (c) 1989 by Hewlett-Packard Company, Palo

Alto, Ca. & Digital Equipment Corporation, Maynard, Mass.

Copyright (c) 1998 Microsoft.

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty: permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notices and this notice appears in all source code copies, and that none of the names of Open Software Foundation, Inc., Hewlett-Packard Company, or Digital Equipment Corporation be used in advertising or publicity

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 244

pertaining to distribution of the software without specific, written prior permission. Neither Open Software Foundation, Inc., Hewlett-Packard Company, Microsoft, nor Digital Equipment Corporation makes any representations about the suitability of this software for any purpose.

Other portions of this library are:

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

5.2.27 libudev

Copyright © 2008-2010 Key Sievers <key.sievers@vrfy.org>

Copyright © 2009 Alan Jenkins <alan-jenkins@tuffmail.co.uk>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

On Ubuntu systems, the complete text of the GNU Lesser General Public License can be found in '/usr/share/common-licenses/LGPL-2.1'.


See also <http://www.gnu.org/licenses/lgpl.html>.

5.2.28 WPA Supplicant

Copyright © 2002-2014 Jouni Malinen <j@w1.fi> and contributors. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name(s) of the above-listed copyright holder(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 245

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5.2.28.1 RealVNC modifications to WPA Supplicant

RealVNC has applied the following patch:

<http://w1.fi/cgiit/hostap/patch/?id=f2b3acc9d5.2.b91fbaccfc9dd8d4>

08252bda4f1be9 Copyright © 2002-2014 Jouni Malinen and contributors.

5.2.28.2 ath9k_faf1dc64_backport.patch

Copyright © 2014 Rajkumar Manoharan.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.


This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

5.2.28.3 python-psutil_2.1.3.bb

Copyright © 2012-2014 Otavio Salvador

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 246

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

5.2.29 Android Support Libraries

Copyright (c) 2005-2008, The Android Open Source Project

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied

These libraries are free software; you can redistribute them and/or modify them under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details: <http://www.gnu.org/licenses/lgpl.html>.

5.2.30 VNC Wi-Fi Display i.MX6 sample decoder


The information in this section expands upon that summarized in section 6.2, *VNC Wi-Fi Display i.MX6 sample decoder*.

5.2.31 mxcfb.h

Copyright 2004-2010 Freescale Semiconductor, Inc. All Rights Reserved.

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY;

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN-ESW)	OSS Licenses used in RN_AIVI Project	Page 247

without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1305.2. USA

5.2.32 axTLS

axTLS Embedded SSL

License axTLS uses a

BSD style license:

Copyright (c) 2005.2.,


Cameron Rich All rights

reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the axTLS Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF

BOSCH 	OSS Disclosure Document	Date: 6-20-2018
CM-CI1/ERN- ESW)	OSS Licenses used in RN_AIVI Project	Page 248

ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5.2.32 RealVNC modifications to axTLS

Some unwanted type and function definitions have been removed.