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CM-CI1	Open Source Software Attributions for CM_CI1_RN_AIVI_Scope 3.x	11 <sup>th</sup> -Aug-2020

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Alsa Utils	1.0.2 9	GNU General Public License v2.0 or later	https://www.alsa- project.org/wiki/ALSA_Librar y_API	Copyright (c) 19 by Jaroslav Ky Copyright (C) 2 Hartman Copyright (C) 2 Sievers Copyright (c) 2 Ladisch Copyright (c) 1 Copyright (C) 2 Ltd Copyright (C) 2 Ltd Copyright (C) 2 Copyright (C) 2 Courtier-Duttor Copyright (C) 2	2003 Greg Kroah- 2004-2006 Kay 004-2006 Clemens 998,1999 Tim Janik 874 Lewis Carroll 2008-2010 SlimLogic 1999-2000,2003 by 2000-2004 James n 2005 Nathan Hurst
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ca-certificates	2015 0426	GNU General Public License v2.0 or later	https://tracker.debian.org/pk g/ca-certificates		2003 Fumitoshi UKAI 2009 Philipp Kern



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cdparanoia	10.2	GNU General Public License v2.0 or later	http://www.xiph.org/paranoia /index.html	1,2,0, ( )	2001-2008 Xiph.org 1998-2008 Monty
Chkconfig	1.3.5 9	GNU General Public License v2.0 or later	http://www.fastcoder.net/soft ware/chkconfig/	Copyright 1997	7-2009 Red Hat, Inc
ConnMan	1.35	GNU General Public License v2.0 only	http://connman.net/	Corporation Copyright (C) 2 Holtmann Copyright (C) 2 IT GmbH Copyright (C) 2 Rompf Copyright (C) 2 Corporation ar Copyright (C) 2 Project Copyright (C) 2 University of T	nd/or its subsidiary Alexey Kuznetsov 2003-2005 Go-Core 2003-2006 Helsinki echnology 2011 ProFUSION

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Delaunay- Triangulation	Uns pecif ied	License for Delaunay- Triangulation		GmbH Copyright (c) 1	•	
Developer's Image Library - DevIL	1.7.8	GNU Lesser General Public License v2.1 or later	http://sourceforge.net/project s/openil/	Copyright;2000 Woods	0-2009 by Denton	
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dleyna-core	0.6.0	GNU Lesser General Public License v2.1 only	https://01.org/dleyna/downlo ads	Copyright (C) 2 Corporation Copyright (C) Corporation	2013 Intel 2012-2015 Intel	
dleyna- renderer	0.6.0	GNU Lesser General Public License v2.1 only	https://01.org/dleyna/downlo ads		2012-2015 Intel	
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Dnsmasq	2.78	GNU General Public License v2.0 only	http://thekelleys.org.uk/dnsm asq/doc.html	Copyright (c) 2 Donenfeld Copyright (c) 2 Kelley	2013 Jason A. 2000-2016 Simon	



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dtc	1.4.1	GNU General Public License v2.0 or later	https://git.kernel.org/cgit/utils /dtc/dtc.git/	Copyright (c) 2 OS Authors Copyright (C) 2 Freescale Serr Copyright (C) 2	on. 2007 d Gibson on. 2005, 2008 d Gibson	
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elfutils	0.14 8	GNU General Public License v2.0 only	https://fedorahosted.org/elfut ils/	2006, 2007, 20 Inc	1998,2002, 2005, 008,2010 Red Hat, 2007 Kurt Roeckx	
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EXIF Tag Parsing Library - libexif	0.6.2 1	GNU Lesser General Public License v2.1 or later	http://sourceforge.net/project s/libexif/	Identified by- C Jayatheertha(F Homepage : http://libexif.so Clarification ne	RBEI/ECT3)	



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Expat XML Parser - libexpat	2.1.0	Expat License MIT-Thai Oss cent cooper, Expat main MIT GPL-2.0+ with auto X11 GNU Libtool GPL-2 Public-domain Apache License 2. GFDL-1.1 GFDL V1.1+ FSF Makefile FSF licen		Thai Open Sou Ltd copyright 201 Copyright © 2 Copyright © 2 Source Softw and the Expa Copyright 200	00, Clark Cooper 2004 Free Software
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Fontconfig	2.11. 94	MIT Licenses	http://freedesktop.org/wiki/S oftware/fontconfig	Packard Copyright © 20 Copyright © 20 Google, Inc Copyright © 20 Copyright © 20 Chroboczek Copyright © 20	002,2003 Keith 008 Red Hat, Inc 007 Chris Wilson 011,2012,2013 005 Patrick Lam 002-2003 by Juliusz 000 Tuomas J. Lukka 007 Chris Wilson
Free Type	2.5.3 , 2.6, 2.5.4	Freetype Project License	http://freetype.sourceforge.n et/	Copyright (C) Turner, Robert Werner Lember Copyright (C) Turner, Robert Werner Lember Copyright (C) Turner, Robert Werner Lember Copyright (C) Turner Copyright (C) Turner, Robert Werner Lember Copyright (C) Turner, Robert Werner Lember Copyright (C) Masatake YAN K.K Copyright (C) 2013, 2014 by Nardelli Copyright (C) Research Labs University Copyright (C) Francesco Zap Copyright (C) Systems Incor Copyright (C) Systems Incor Copyright (C) Systems Incor Copyright (C) Systems Incor	1996-2015 by David Wilhelm, and arg 2013-2015 by David Wilhelm, and arg 2000-2015 by David Wilhelm, and arg 2005-2015 by David 2003-2015 byDavid Wilhelm, and arg 2004-2015 by David Wilhelm, and arg 2004-2015 by Derek hael Toftdal 2007-2015 by Derek hael Toftdal 2001-2008, 2011, Francesco Zappa 2000 Computing s, New Mexico State 2001-2014 opa Nardelli 2010-2015 by Joel 2007-2013 Adobe porated 2007-2014 Adobe porated 2003-2014 Adobe porated 2009-2014 Adobe porated 2009-2014 Adobe porated 2009-2014 Adobe porated 2009-2014 Adobe porated 2009-2014 Adobe porated 2009-2014 Adobe

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FreeImage	3.17. 0 3.15. 4	FreeImage Public License v1.0	http://sourceforge.net/project s/freeimage/	Copyright (c) 1 2002,2004,200 Randers-Pehrs Copyright (C)	06-2017 Glenn
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GCC	5.2.0 , 4.8.3	GCC Runtime Library Exception 3.1 to GPL 3.0	http://gcc.gnu.org/	Free Software	yright (C) 2001-2013 Foundation, Inc. 1992-2015 Free dation, Inc.
GCC	3	GNU General Public License v2.0 or later	http://gcc.gnu.org/	Copyright 1990 1994, 1995, 19 1999, 2000, 20 2004, 2005, 20	0, 1991, 1992, 1993, 996, 1997, 1998, 901, 2002, 2003, 906 Free Software c. and some other
GCC C++ / libstdc++	5.2.0	GCC Runtime Library Exception 3.1 to GPL 3.0	https://gcc.gnu.org/libstdc++/	1994, 1995, 19 1999, 2000, 20 2004, 2005, 20	
GConf	3.2.6	GNU Library General Public License v2 or later	https://developer.gnome.org/ gconf/	1999, 2000, 20 Copyright (C) 2	2001 Sun Inc. Copyright (C) 002 Red Hat Inc, 2003 Imendio AB, 2010 Novell, Inc
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GENIVI IPC CommonAPI C++ DBus Runtime	3.1.3	Mozilla Public License 2.0	http://projects.genivi.org/com monapi/	2013-2015 Bay	2006-2012, by kine, Copyright (C) yerische Motoren esellschaft (BMW
GENIVI IPC CommonAPI C++ Runtime	3.1.3	Mozilla Public License 2.0	http://projects.genivi.org/com monapi/	Copyright (C) 2 Bayerische Mo Aktiengesellsc Copyright (C) 2	otoren Werke haft (BMW AG), 2014-2015
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GENIVI Node Health Monitor GENIVI Node	1.3.5 1.0.2	Mozilla Public License 2.0 Mozilla Public	https://github.com/GENIVI/n ode-health-monitor https://github.com/GENIVI/n	Copyright (C) 2 Automotive Sy Copyright 2012	
Startup Controller GENIVI Node State Manager	2.0.0	License 2.0 Mozilla Public License 2.0	ode-startup-controller https://github.com/GENIVI/n ode-state-manager	Automotive Sy	2013 Continental
giflib A library for processing GIFs - giflib 4.x	4.1.6	OSF - X Consortium License	http://sourceforge.net/project s/giflib/	Copyright (c) 1	997 Eric S. byright (c) Gershon
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GNU Binutils	2.17. 50.0. 12	GNU General Public License v2.0 or later	http://www.gnu.org/software/ binutils/	1994, 1995, 19 1999, 2000, 20	0, 1991, 1992, 1993, 996, 1997, 1998, 001, 2002, 2003, 006 Free Software c



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GNU Diffutils	GPL-2.0+ with aut GPL-2.0+ Public domain LGPL-2.0+ GNU gettext supp GNU MP Library fi Makefile FSF licer Public-domain Curl Component li GPL V3 or later wi	http://www.gnu.org/software/ dicitizeinse v2.0 or later, toconf exception ort file license ile license ise cense ith autoconf exception advertising without	University of Copyright (c) Equipment C Copyright (c) Rui Salgueirc Universidade Portugal, Eur Copyright (c) University Copyright (c) Microsystems Copyright (C) ;debian@helg Copyright (C) ;debian@helg Copyright (C) ;debian@helg Copyright (C) ;debian@helg Copyright (C) ;mkutny@gm Copyright (C) Copyright (C) Copyright (C) Copyright (C) 2000, 2001 Fre Foundation, In Copyright (C) 2001, 2002 Fre Foundation, In Copyright (C) 2001, 2002 Fre Soundation, In Copyright (C) 2002 Free Soff Inc	1993 by Digital orporation. 1993 Carlos Leandro and Dep. Matematica de Coimbra, ope 1992 Carnegie Mellon 1988,1990 Sun s, Inc. Helge Kreutzmann gefjell.de;, 2007 THE glibc'S HOLDER 2006 Max Kutny ail.com; 2005 Open Forum of ww.forum.org.kh) Simon Josefsson 1999, 2000 Tom Troney 1999 Theppitak yanan, National Electronic <u>r Technology Center</u> 1990, 1998, 1999, se Software c 2002 Free Software c 1988, 1989, 1992, 995, 1998, 2001, tware Foundation, 2 Free Software
GNU grep	2.5.1 a LGPL-2.0+ GPL-2.0+ GPL-2.0+ with aut	http://savannah.gnu.org/proj ects/grep/ toconf exception		1988,1989,1990- )1 Free Software c
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		GNU gettext suppo Makefile FSF licen			
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GNU Readline Library	5.2	GNU General Public License v2.0 or later	http://directory.fsf.org/GNU/r eadline.html	Copyright (C) ' Software Foun	1987-2006 Free dation, Inc
GnuPG	1.4.7	curl License	http://www.gnupg.org/		98,2001,2002,2003,2 5 Free Software c.;
GnuTLS	3.3.1 7.1	GNU Lesser General Public License v2.1 or later	http://savannah.gnu.org/proj ects/gnutls/	Software Foun Copyright (C) 2 Copyright (C) 2 Mavrogiannop 2002 Andrew M © 2008-2012 I Copyright (C) 2	2014 Red Hat, 2014 Nikos oulos, Copyright (C) McDonald, Copyright ntel Corporation, 2012 INRIA Paris- Copyright (C) 2013
GSSDP	0.14. 14	GNU Library General Public License v2 or later	http://unix.freecode.com/proj ects/gupnp	Copyright (C) 2 OpenedHand I 2009 Nokia Co (C) 2010 Jens <mail@jensge< td=""><td>2006, 2007, 2008 Ltd, Copyright (C) orporation, Copyright Georg .org&gt;, Copyright (C) poration, Copyright 4 Jens Georg</td></mail@jensge<>	2006, 2007, 2008 Ltd, Copyright (C) orporation, Copyright Georg .org>, Copyright (C) poration, Copyright 4 Jens Georg
gst-fsl-plugins	3.0.1	GNU Library General Public License v2 or later	http://www.freescale.com/	Copyright (c) 2 Semiconductor reserved. Copy Freescale Sem rights reserved Benjamin Otte <in7y118@put hamburg.de&gt;, 2009 Tim-Phili centricular net: Sebastian Drod <sebastian drod<br=""><sebastian.drod k&gt;, Copyright (C) - Taymans <win Copyright (C) - Schleef <ds@s Copyright (C) - Walthinsen</ds@s </win </sebastian.drod </sebastian></in7y118@put 	2005-2014, Freescale r,Inc,All rights yright (C) 2009-2014 hiconductor, Inc,All d. Copyright (C) 2003 blic.uni- Copyright (C) 2005- pp Mueller <tim &gt; Copyright (C) 2009 ege bege@collabora.co.u (C) &lt;2007&gt; Julien @fluendo.com&gt;, &lt;2006&gt; Wim n@fluendo.com&gt;, &lt;2003&gt; David A. schleef.org&gt;,</tim 



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GSTREAMER PLUGINS- BAD	0.10. 23	GNU Lesser General Public License v2.1 or later	http://gstreamer.freedesktop. org/src/gst-plugins-bad/	Communicatio 2010 Sebastia (c) 2006 Jürg F 2005 Ronald S 2007 Jan Schr <1999> Erik W (C) 2004 Wim (C) 2004 Wim (C) 2006 Tim-F Copyright (C) - Penquerc'h ,C Texas Instrum (C) 2009 Nokia Corporation,C Thibault Sauni <2011> Collab (C) <2010> Ma Nauwelaerts,C Intel Corporatio <2007> Jan Se 2009 Robert S 2005 Michael Niedermayer,C Arun Raghava	ht (C) 2011 Axis ns,Copyright (C) n Dröge,Copyright Billeter Copyright (c) S. Bultje,Copyright (c) nidt, Copyright (C) /althinsen,Copyright Taymans, Copyright Philipp Müller <2011> Vincent opyright (C) 2010 ents, Inc,Copyright a opyright (C) <2011> er Copyright (C) ora Ltd, Copyright	
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GSTREAMER PLUGINS- GOOD	0.10. 31	GNU Lesser General Public License v2.1 or later	http://gstreamer.freedesktop. org/src/gst-plugins-good/	Copyright(C)20 Decina,Copyright(C)20 Walthinsen <omega@cse. (C) &lt;2003,200 <ds@schleef.c &lt;2011&gt; Jon No <jononor@gm (C) 2006-2009 <lutz@topfroso< td=""><td>005 Alessandro ght (C) &lt;1999&gt; Erik .ogi.edu&gt;,Copyright 4&gt; David Schleef org&gt;, Copyright (C) ordby ail.com&gt;,Copyright</td></lutz@topfroso<></jononor@gm </ds@schleef.c </omega@cse. 	005 Alessandro ght (C) <1999> Erik .ogi.edu>,Copyright 4> David Schleef org>, Copyright (C) ordby ail.com>,Copyright	



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gst-wayland	0.1	GNU Library General Public License v2 or later	http://github.com/sreerenjb/g st-wayland/	Sreerenj Balac <sreerenj.bala &gt;, Copyright (C Taymans <wim.taymans Copyright (C) 2 Graphics Corp 2012 Mikhail D</wim.taymans </sreerenj.bala 	opyright (C) 2011 chandran chandran@intel.com C) 2012 Wim @gmail.com>, 2012 Mentor oration,Copyright (C)
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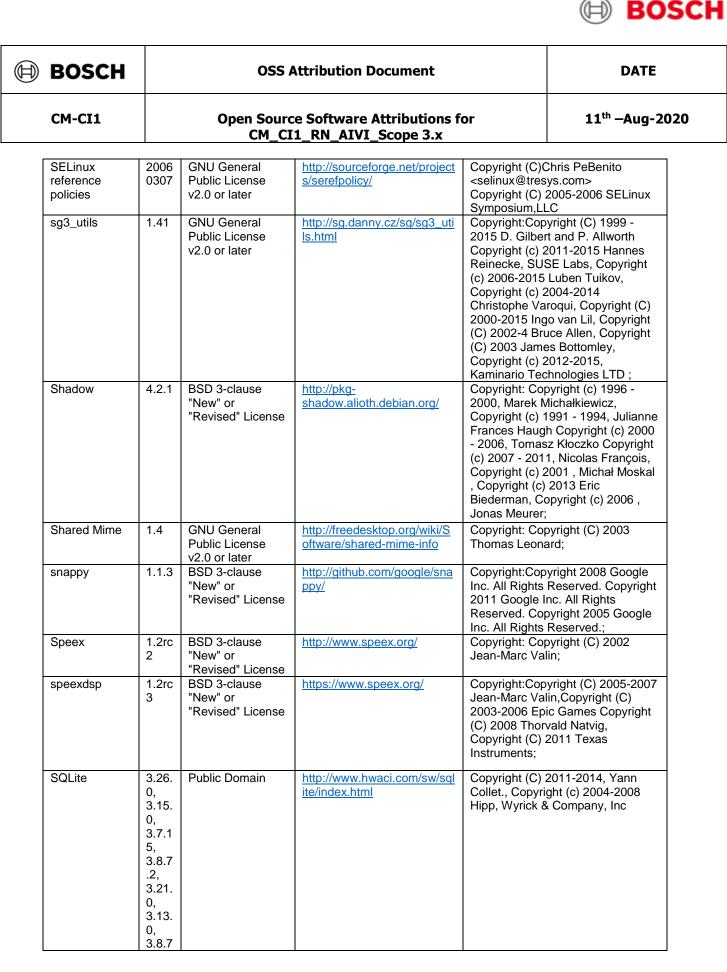
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GCC Runtime Library Exception 3.1 to GPL 3.0

Version 3.1, 31 March 2009

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## 3.1.21 LibTomCrypt - 1.16

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#### 3.1.22 LibTomMath - 0.39

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#### 3.1.23 Base64.java - 2.3.5.2.

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## 3.1.24 Internal Android OS APIs

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## 3.1.25 ExtractMpeg FramesTest. java

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## 3.1.26 Libupnp (pupnp) - 1.6.19

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## 3.1.29 Wpa\_supplicant - 2.3

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#### 3.1.30 Pythonpsutil\_2.1.3.bb

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# 3.1.31 Android SupportLibraries - 19.0.0

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# 3.1.33 axTLS - 1.1.8

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## 3.1.34 Action - 0.1.1

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## 3.1.35 Android - platform - frameworks – base - 4.0.1\_r1

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# 3.1.36 Android - platform - prebuilts – sdk - 4.4\_r1

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## 3.1.37 Android SDK Support Libraries – 19,23.1.1

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## 3.1.38 Android SDK Support Libraries

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#### 3.1.39 Mongolduu - master-20121109

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## 3.1.40 Stan-for-Android - 0.1.0

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#### 3.1.43 jquery\_mobile\_rails - 1.3.2

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#### 3.1.49 CMarkup - 11.05

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# 3.1.50 Freescale Semiconductor CodeWarrior Development Studio for MPC55xx/MPC56xx Microcontrollers - 2.10 special edition

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#### 3.1.51 LZO real-time data compression library - 2.04

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#### 3.1.55 Android - platform - bootable - recovery - 2.3\_r1

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#### 3.1.58 lz4 Compression algorithm - r111

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#### 3.1.59 Android -platform - system - core/libmincrypt

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#### 3.1.63 Bsdiff - 4.3

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## 3.1.64 GNU C Library – glibc - 2.2.4

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## 3.1.65 IGEP Linux Kernel - 2.6.28.10-igep0020b-0

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## 3.1.66 squashfs - a compressed fs for Linux - squashfs4.3

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## 3.1.69 Test-SQLite-blob - trunk-20120916-svn

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## 3.1.70 7 Zip - LZMA SDK - 9.2

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#### 3.1.73 XZ Utils -5.0.7

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## 3.1.76 gpclib

http://github.com/rdpeng/gpclib/

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#### 3.1.78 Android - platform - frameworks - base

Version android-7.0.0\_r1

https://android.googlesource.com/platform/frameworks/base

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# 3.1.79 Android - platform - frameworks - base

Version Unspecified

https://android.googlesource.com/platform/frameworks/base

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## 3.1.80 Boost C++ Libraries - boost

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http://boost.org/

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http://github.com/mozilla/gecko-dev/

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## 3.1.82 libogg

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1.2beta2 dev

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## 3.1.86 jsoncpp

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http://sourceforge.net/projects/jsoncpp/

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# 3.1.91 tiny-AES128-C

Version master-20141218

http://github.com/kokke/tiny-AES128-C/

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# 3.1.92 PVRTC Library

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https://www.imgtec.com/developers/powervr-sdk-tools/installers/

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Version Unspecified

http://kbs.cs.tu-berlin.de/~jutta/toast.html

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#### 3.1.95 aladdin-md5

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https://opensource.apple.com/source/cups/cups-30/cups/md5.h.auto.html

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http://github.com/pkgconf/pkgconf/

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## 3.1.99 Code Project - C++ Memory Pool

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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.



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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
- •
- .
- s 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.

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#### 3.2.10.4 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.

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# 3.2.13 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.

# 3.2.14 keysymdef

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# 3.2.17 JThread

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# 3.2.19 libxml2

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#### 3.2.19.2 hash.c

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#### 3.2.19.4 trio.c, trio.h

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#### 3.2.19.5 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.

#### 3.2.20 miniupnpc

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Project web page: http://miniupnp.free.fre/ or http://miniupnp.tuxfamily.org/

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#### **3.2.20.3** RealVNC modifications to

miniupnpc The following modifications

have been made:



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- Requests have been cancelled.
- MirrorLink-specific functionality has been added.
- Functionality specific to building for different hardware architectures has been added.

### 3.2.21 LibTomCrypt

LibTomCrypt, modular cryptographic library -- Tom St Denis

LibTomCrypt is a library that provides various cryptographic algorithms in a highly modular and flexible manner.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, http://libromcrypt.com

### 3.2.22 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

# 3.2.23 Base64.java

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Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a> periodically to check for updates or to contribute improvements.

@author Robert Harder

@author rob@iharder.net

@version 2.3.5.2.



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### 3.2.25 ExtractMpegFramesTest.java

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# 3.2.26 libupnp (pupnp)

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# 3.2.28.1 RealVNC modifications to WPA Supplicant

RealVNC has applied the following patch:

http://w1.fi/cgit/hostap/patch/?id=f2b3acc9d5.2.b91fbaccfc9dd8d408

252bda4f1be9 Copyright © 2002-2014 Jouni Malinen and

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# 3.2.28.2 ath9k\_faf1dc64\_backport.patch

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# 3.2.28.3 python-psutil\_2.1.3.bb

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# 3.2.30 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*.

# 3.2.31 mxcfb.h

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# 3.2.32 axTLS

axTLS Embedded SSL

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2005.2., Cameron Rich All



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### **3.2.32 RealVNC modifications to axTLS**

Some unwanted type and function definitions have been removed.



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