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CM-CI1	Open Source Software Attributions for CM_CI1_RN_AIVI_Scope 3.x	18th Jan 2021

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This document contains a list of open source software (OSS) components used within the product under the terms of the respective licenses. The source code corresponding to the open source components is also provided along with the product wherever mandated by the respective OSS license

Name of OSS Component	Version of OS Component	Name and Version of License (License text can be found in Appendix below)	Home page	More Information
7 Zip - LZMA SDK	9.2	Public Domain	http://www.7-zip.org/sdk.html	Copyright (C) 1999-2005, 2016 Igor Pavlov Copyright (C) 2007-2009 Industrie Dial Face S.p.A.
ACL	2.2.53	LGPL-2.1+	https://savannah.nongnu.org/projects/acl	Copyright (C) 2011 Andreas Gruenbacher Copyright (C) 1989, 1991-2012 Free Software Foundation, Inc. Copyright (c) 2000-2006 Silicon Graphics, Inc.
apertispro-archive-keyring	0.1rb1ba1	GPL-2.0+		Copyright: 2012 RBEI Ltd.
AES - Advanced Encryption Standard	1	zlib License	http://www.lomont.org/Software/Misc/AES/AES.php	Copyright (C) 2000-2005 Chris Lomont

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Alsa Plugins	1.0.29	GNU Lesser General Public License v2.1 or later	ftp://ftp.alsa-project.org/pub/plugins/	Copyright (c) 2008 by Sjoerd Simons Copyright (c) 2006 by Pierre Ossman
Alsa Utils	1.0.29	GNU General Public License v2.0 or later	ftp://ftp.alsa-project.org/pub/Utils	Copyright (c) by Abramo Bagnara Copyright (c)1999-2000,2008,2010 by Jaroslav Kysela Copyright (C) 2003 Greg Kroah-Hartman Copyright (C) 2004-2006 Kay Sievers Copyright (c)2004-2006 Clemens Ladisch Copyright (c) 1998,1999 Tim Janik Copyright (c) 1874 Lewis Carroll Copyright (C) 2008-2010 SlimLogic Ltd Copyright (C) 1999-2000,2003 by Takashi Iwai Copyright (C) 2000-2004 James Courtier-Dutton Copyright (C) 2005 Nathan Hurst
Android - platform - bootable - recovery	Unspecified	Apache License 2.0	http://developer.android.com/index.html	Copyright: 2007 The Android Open Source Project
apitrace	7.1	MIT License	http://github.com/apitrace/apitrace/	Copyright 2009,2010,2013,2014,2015,2016 Google Inc Copyright 2012,2013 Intel Corporation Copyright 2010-2016 VMware, Inc Copyright 2011-2014 Jose Fonseca Copyright 2011 LunarG, Inc Copyright 2015 Alexander Trukhin Copyright 2013 Samsung Contributed by Eugene Veleseovich Copyright 2006 Keith Packard and Carl Worth Copyright 2011 Zack Rusin, Copyright 2004 IBM Corporation

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hostname	3.16	GPL-2.0+	.	Copyright (C) 2009 Michael Meskes meskes@debian.org; Copyright (C) 2004-2005 Graham Wilson graham@debian.org; Copyright (C) 1997 Peter Tobias ;tobias@et-inf.fho-emden.de; Copyright (C) 1997 Bernd Eckenfels Copyright (C) 1996 Free Software Foundation, Inc
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2.47 NeuQuant Neural-Net Quantization Algorithm License

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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>

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3.1.79 Android - platform - frameworks - base

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<http://boost.org/>

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3.1.90 Sunrise/set calculator

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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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3.1.93 GSM 06.10 Lossy Speech Compression

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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3.1.96 OpenGL-Examples

Version master-20141123

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3.1.99 Code Project - C++ Memory Pool

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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.

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3.2.3.3 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
-
-
- 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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```
printf("%s",png_get_copyright(NULL));
```

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Glenn Randers-Pehrson
glennrp at
users.sourceforge.net
September 10, 2009

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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++

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3.2.14 keysymdef

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3.2.19.4 trio.c, trio.h

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3.2.19.5 RealVNC modifications to libxml2

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3.2.20 miniupnp

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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://libtomcrypt.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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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.

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3.2.24 Internal Android OS APIs

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3.2.25 ExtractMpegFramesTest.java

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3.2.26 libupnp (pupnp)

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Copyright (c) 2006 Michel Pfeiffer and others

<virtual_worlds@gmx.de> Copyright (c) 2011-2012 France Telecom.

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3.2.27 libudev

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See also <http://www.gnu.org/licenses/lgpl.html>.

3.2.28 WPA Supplicant

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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 contributors.

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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4.0 Node Modules Components

Name of OSS Component	Version of OSS Component	Name and Version of License	Home page
buffer-crc32	0.2.5	MIT	https://github.com/brianloveswords/buffer-crc32
dbus-native	0.2.0	MIT	https://github.com/sidorares/node-dbus
dbus-proxy	0.0.0-unreleasable	NA	NA
abstract-socket	1.1.0	MIT	https://github.com/saghul/node-abstractsocket
bindings	1.2.1	MIT	https://github.com/TooTallNate/node-bindings
nan	2.4.0	MIT	https://github.com/nodejs/nan#readme
1to2	1.0.0	MIT	NA
event-stream	3.3.4	MIT	http://github.com/dominictarr/event-stream
duplexer	0.1.1	MIT	https://github.com/Raynos/duplexer
from	0.1.3	MIT	https://github.com/dominictarr/from
map-stream	0.1.0	NA	http://github.com/dominictarr/map-stream
pause-stream	0.0.11	MIT, Apache2	https://github.com/dominictarr/pause-stream
split	0.3.3	MIT	http://github.com/dominictarr/split
stream-combiner	0.0.4	MIT	https://github.com/dominictarr/stream-combiner
through	2.3.8	MIT	https://github.com/dominictarr/through
put	0.0.6	MIT/X11	https://github.com/substack/node-put
xml2js	0.1.14	NA	https://github.com/Leonidas-from-XIV/node-xml2js
sax	1.2.1	ISC	https://github.com/isaacs/sax-js#readme
iconv-lite	0.4.15	MIT	https://github.com/ashtuchkin/iconv-lite
jbinary	2.1.2	MIT	https://github.com/jDataView/jBinary
es6-promise	2.0.1	MIT	NA

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es6-promise	2.0.1	MIT	https://github.com/jakearchibald/ES6-Promises
jdataview	2.5.0	WTFPL	http://jDataView.github.io/
request	2.53.0	Apache-2.0	https://github.com/request/request
aws-sign2	0.5.0	NA	https://github.com/mikeal/aws-sign
bl	0.9.4	MIT	https://github.com/rvagg/bl
readable-stream	1.0.33	MIT	https://github.com/isaacs/readable-stream
core-util-is	1.0.1	MIT	https://github.com/isaacs/core-util-is
inherits	2.0.1	ISC	https://github.com/isaacs/inherits
isarray	0.0.1	MIT	https://github.com/juliangruber/isarray
string_decoder	0.10.31	MIT	https://github.com/rvagg/string_decoder
caseless	0.9.0	BSD	https://github.com/mikeal/caseless
combined-stream	0.0.7	NA	https://github.com/felixge/node-combined-stream
delayed-stream	0.0.5	NA	https://github.com/felixge/node-delayed-stream
forever-agent	0.5.2	NA	https://github.com/mikeal/forever-agent
form-data	0.2.0	MIT	https://github.com/felixge/node-form-data
async	0.9.0	MIT	https://github.com/caolan/async
hawk	NA	./LICENSE	NA
hawk	2.3.1	BSD	https://github.com/hueniverse/hawk
boom	2.6.1	BSD	https://github.com/hapijs/boom
cryptiles	2.0.4	BSD	https://github.com/hapijs/cryptiles
hoek	2.11.0	BSD	https://github.com/hapijs/hoek
sntp	1.0.9	BSD	https://github.com/hueniverse/sntp
http-signature	0.10.1	MIT	https://github.com/joyent/node-http-signature/
asn1	0.1.11	NA	NA
assert-plus	0.1.5	NA	https://github.com/mcavage/node-assert-plus
ctype	0.5.3	NA	https://github.com/rmustacc/node-ctype
isstream	0.1.1	MIT	https://github.com/rvagg/isstream
json-stringify-safe	5.0.0	BSD	https://github.com/isaacs/json-stringify-safe
mime-types	2.0.9	MIT	https://github.com/jshttp/mime-types
mime-db	1.7.0	MIT	https://github.com/jshttp/mime-db

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oauth-sign	0.6.0	NA	https://github.com/mikeal/oauth-sign
qs	2.3.3	BSD	https://github.com/hapijs/qs
stringstream	0.0.4	MIT	https://github.com/mhart/StringStream
tough-cookie	0.12.1	MIT	https://github.com/goinstant/tough-cookie
punycode	1.3.2	MIT	https://mths.be/punycode
tunnel-agent	0.4.0	NA	https://github.com/mikeal/tunnel-agent
mkdirp	0.5.0	MIT	https://github.com/substack/node-mkdirp
minimist	0.0.8	MIT	https://github.com/substack/minimist
xml2js	0.4.5	MIT	https://github.com/Leonidas-from-XIV/node-xml2js
sax	0.6.1	BSD	https://github.com/isaacs/sax-js
xmlbuilder	2.5.1	MIT	http://github.com/oozcitak/xmlbuilder-js
lodash	3.1.0	MIT	https://lodash.com/