

Spinnaker SDK Open Source Licenses

Spinnaker® 4—Windows Licenses

Spinnaker Component—Documentation

Component	License	Version
RapidXml	MIT	1.13

Spinnaker Component—Drivers

Component	License	Version
Microsoft Windows Driver Kit - WDK	Microsoft Limited Public License v1.1	8.1

Spinnaker Component—GenTL

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
curl	The curl license	8.2
Expat XML Parser - libexpat	MIT	2.0.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
MD5 Message-Digest Algorithm	RSA Message-Digest License	
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—PySpin

Component	License	Version
NumPy	BSD 3-clause "New" or "Revised" License	1.15 or later for Python < 3.10 2.0 or later for Python ≥ 3.10

Spinnaker Component—Spinnaker

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Apache XML Xalan-C++	Apache License 1.1	1.6
Expat XML Parser - libexpat	MIT	2.0.0
FreeImage	Freeimage public license v1.0	3.17.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
Newtonsoft.Json	MIT	13.0.3
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—SpinnakerAIK

Component	License	Version
FreeImage	Freeimage public license v1.0	3.17.0

Spinnaker Component—SpinnakerGPU

Component	License	Version
Cuda ToolKit	NVIDIA Software License Agreement and CUDA Supplement to Software License Agreement	11.8

Spinnaker Component—SpinnakerNET

Component	License	Version
Apache-Logging log4net	Apache License 2.0	1.2.11
zlib	zlib License	1.2.8

Spinnaker Component—SpinVideo

Component	License	Version
ffmpeg	GNU Lesser General Public License v2.1 or later	20160227-git-5156578
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0

Spinnaker Component—SpinView

Component	License	Version
A trigger for the TreeViewItem directly under the mouse	Microsoft Limited Public License v1.1	
Apache-Logging log4net	Apache License 2.0	1.2.11
Code Project - AdapterList	Code Project Open License 1.02	1
Code Project - WPF TreeListView Control	Code Project Open License 1.02	1
OpenTK	MIT	
Search and Highlight in TextBlock	Microsoft Limited Public License v1.1	
Stackoverflow - How to define TextBox input restrictions	Creative Commons Attribution Share Alike 3.0	
StackOverFlow - Make ListView.ScrollIntoView Scroll the Item into the Center of the ListView	Creative Commons Attribution Share Alike 3.0	
The Open Toolkit library	MIT	1.0-2010-10-06
Work with Bitmaps Faster in C#	Code Project Open License 1.02	

Spinnaker Component—Utilities

Component	License	Version
cryptopp	Boost Software License 1.0	
curl	The curl license	8.2
Qt	GNU Lesser General Public License v3	5.7
zlib	zlib License	1.2.8

Spinnaker® 3.2—Windows Licenses

Spinnaker Component—Documentation

Component	License	Version
RapidXml	MIT	1.13

Spinnaker Component—Drivers

Component	License	Version
Microsoft Windows Driver Kit - WDK	Microsoft Limited Public License v1.1	8.1
Myricom	MYRICOM MACHINE VISION ACCELERATOR LICENSE	2.0.5.577

Spinnaker Component—GenTL

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
curl	The curl license	7.44.0-1
Expat XML Parser - libexpat	MIT	2.0.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
MD5 Message-Digest Algorithm	RSA Message-Digest License	
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—PySpin

Component	License	Version
NumPy	BSD 3-clause "New" or "Revised" License	1.15 or later for Python < 3.10 2.0 or later for Python ≥ 3.10

Spinnaker Component—Spinnaker

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Apache XML Xalan-C++	Apache License 1.1	1.6
Expat XML Parser - libexpat	MIT	2.0.0
FreeImage	Freeimage public license v1.0	3.17.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
Newtonsoft.Json	MIT	13.0.3
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—SpinnakerAIK

Component	License	Version
FreeImage	Freeimage public license v1.0	3.17.0

Spinnaker Component—SpinnakerGPU

Component	License	Version
Cuda ToolKit	NVIDIA Software License Agreement and CUDA Supplement to Software License Agreement	11.8

Spinnaker Component—SpinnakerNET

Component	License	Version
Apache-Logging log4net	Apache License 2.0	1.2.11
zlib	zlib License	1.2.8

Spinnaker Component—SpinVideo

Component	License	Version
ffmpeg	GNU Lesser General Public License v2.1 or later	20160227-git-5156578
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0

Spinnaker Component—Utilities

Component	License	Version
cryptopp	Boost Software License 1.0	
curl	The curl license	7.44.0-1
Qt	GNU Lesser General Public License v3	5.7
zlib	zlib License	1.2.8

Spinnaker® Linux Licenses

Spinnaker Component—GenTL

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Expat XML Parser - libexpat	MIT	2.0.0
GenICam by EMVA	License for GenICam by EMVA	3.0
libusb	GNU General Public License v2.1 or later	1.0.19
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—N/A

Component	License	Version
Linux Kernel	GNU General Public License v2.0	

Spinnaker Component—PySpin

Component	License	Version
NumPy	BSD 3-clause "New" or "Revised" License	1.15 or later for Python < 3.10 2.0 or later for Python ≥ 3.10

Spinnaker Component—Spinnaker

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Apache XML Xalan-C++	Apache License 1.1	1.6
Expat XML Parser - libexpat	MIT	2.0.0
FreeImage	Freeimage public license v1.0	3.17.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—SpinnakerAIK

Component	License	Version
FreeImage	Freeimage public license v1.0	3.17.0

Spinnaker Component—SpinnakerGPU

Component	License	Version
Cuda ToolKit	NVIDIA Software License Agreement and CUDA Supplement to Software License Agreement	11.8

Spinnaker Component—SpinSimpleGUI_MFC

Component	License	Version
Khronos Group - OpenGL ES	MIT	

Spinnaker Component—SpinUpdate

Component	License	Version
zlib	zlib License	1.2.8

Spinnaker Component—SpinVideo

Component	License	Version
ffmpeg	GNU Lesser General Public License v2.1 or later	20160227-git-5156578
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0

Spinnaker Component—SpinViewQT

Component	License	Version
Khronos Group - OpenGL ES	MIT	
Qt	GNU Lesser General Public License v3	

Spinnaker® LinuxARM Licenses

Spinnaker Component—GenTL

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Expat XML Parser - libexpat	MIT	2.0.0
GenICam by EMVA	License for GenICam by EMVA	3.0
libusb	GNU General Public License v2.1 or later	1.0.19
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—N/A

Component	License	Version
Linux Kernel	GNU General Public License v2.0	

Spinnaker Component—PySpin

Component	License	Version
NumPy	BSD 3-clause "New" or "Revised" License	1.15 or later for Python < 3.10 2.0 or later for Python ≥ 3.10

Spinnaker Component—Spinnaker

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Apache XML Xalan-C++	Apache License 1.1	1.6
Expat XML Parser - libexpat	MIT	2.0.0
FreeImage	Freeimage public license v1.0	3.17.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—SpinnakerAIK

Component	License	Version
FreeImage	Freeimage public license v1.0	3.17.0

Spinnaker Component—SpinnakerGPU

Component	License	Version
Cuda ToolKit	NVIDIA Software License Agreement and CUDA Supplement to Software License Agreement	11.8

Spinnaker Component—SpinSimpleGUI_MFC

Component	License	Version
Khronos Group - OpenGL ES	MIT	

Spinnaker Component—SpinUpdate

Component	License	Version
zlib	zlib License	1.2.8

Spinnaker Component—SpinVideo

Component	License	Version
ffmpeg	GNU Lesser General Public License v2.1 or later	20160227-git-5156578
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0

Spinnaker Component—SpinViewQT

Component	License	Version
Khronos Group - OpenGL ES	MIT	
Qt	GNU Lesser General Public License v3	

Spinnaker® Mac Licenses

Spinnaker Component—GenTL

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Expat XML Parser - libexpat	MIT	2.0.0
GenICam by EMVA	License for GenICam by EMVA	3.0
libusb	GNU General Public License v2.1 or later	1.0.19
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—N/A

Component	License	Version
Linux Kernel	GNU General Public License v2.0	

Spinnaker Component—PySpin

Component	License	Version
NumPy	BSD 3-clause "New" or "Revised" License	1.15 or later for Python < 3.10 2.0 or later for Python ≥ 3.10

Spinnaker Component—Spinnaker

Component	License	Version
1394-based DC Control Library	GNU Lesser General Public License v2.1 or later	master-20121109
Apache Xerces-C++ XML Parser	Apache License 2.0	3.1.1
Apache XML Xalan-C++	Apache License 1.1	1.6
Expat XML Parser - libexpat	MIT	2.0.0
FreeImage	Freeimage public license v1.0	3.17.0
GenICam by EMVA	License for GenICam by EMVA	3.0
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0
libomp	Apache License 2.0 with LLVM Exceptions	17.0.1
Log library for C++	GNU Lesser General Public License v2.1 or later	log4cpp-1.0
The C++ Standard Library - A Tutorial and Reference	ISC License	
xxhash	"BSD 3-clause ""New"" or ""Revised"" License"	
zlib	zlib License	1.2.8

Spinnaker Component—SpinnakerAIK

Component	License	Version
FreeImage	Freeimage public license v1.0	3.17.0

Spinnaker Component—SpinnakerGPU

Component	License	Version
Cuda ToolKit	NVIDIA Software License Agreement and CUDA Supplement to Software License Agreement	11.8

Spinnaker Component—SpinSimpleGUI_MFC

Component	License	Version
Khronos Group - OpenGL ES	MIT	

Spinnaker Component—SpinUpdate

Component	License	Version
zlib	zlib License	1.2.8

Spinnaker Component—SpinVideo

Component	License	Version
ffmpeg	GNU Lesser General Public License v2.1 or later	20160227-git-5156578
Intel Performance Primitives (IPP)	Intel Simplified Software License (Version October 2022)	9.0

Spinnaker Component—SpinViewQT

Component	License	Version
Khronos Group - OpenGL ES	MIT	
Qt	GNU Lesser General Public License v3	

Teledyne FLIR Spinnaker SDK License

FLIR Spinnaker® SDK License Agreement

READ CAREFULLY: This is a legal agreement between you (an individual or a single entity) ("you") and FLIR Systems Inc. ("FLIR"). Information contained in this software or document pertains to a Canadian product that is not controlled by the Canadian Government. Before installing and using the Spinnaker® Software Development Kit and any updates to it that we may at our discretion provide to you (collectively, the "SDK"), you should read this agreement. If you do not agree with all of the terms of this agreement, do not install or use the SDK. FLIR may change this agreement at any time and it is your responsibility to review the most updated version of it on FLIR's website. By continuing to use the SDK following such changes, you agree to be bound by them.

- 1. Grant of License:** Subject to the terms of this agreement, you are hereby granted a limited, terminable, non-transferable, non-exclusive license and right to use the SDK only in conjunction with: (a) those FLIR cameras listed at <https://www.flir.com/products/spinnaker-sdk> (as such list may be amended by FLIR at any time and from time to time) and owned by you; and (b) the images derived from such cameras. FLIR Systems processes your personal data when you install and use the SDK in accordance with the information notice posted at the end of this License Agreement.
- 2. Free and Open Source Components:** Notwithstanding anything to the contrary herein, use, copying and distribution of components of the SDK licensed under free and open source license agreements are governed solely by the terms of those license agreements (which are contained in the electronic documentation for the SDK) and not this agreement.
- 3. Restrictions:** Except as (and only if) explicitly permitted by Section 4 below, you will not, and will not permit any third parties to: (a) copy the SDK, other than a reasonable number of backup copies for your own use only, and such backup copies together with the original will be kept in your possession and control; (b) provide or disclose the SDK to any third party; (c) alter, modify, reverse engineer, decompile or disassemble the SDK, or attempt to do any of the foregoing; (d) grant sublicenses, leases, or any other rights in the SDK to any third party; or (e) remove, alter or obscure any proprietary rights notices (including any copyright and trademark notices) on and in the SDK.
- 4. Additional OEM Rights:** If you are an original equipment manufacturer, then in addition to the rights set out in Section 1 above you are hereby granted a limited, terminable, non-transferable, non-exclusive license and right to use the SDK for the sole additional purpose of incorporating the libraries found in the SDK (collectively, the "Libraries") into new products developed by you, in whole or in part, using the SDK (collectively, the "Derivative Products") provided that you: (a) ensure that the components of any Derivative Product that derive functionality from any of the Libraries may only be used with FLIR products, including the SDK, and images derived from such products; (b) may only redistribute drivers (.inf and .sys), dynamically linked libraries (.dlls, .so, and .cti), executables (.exe) and documentation (.doc, .txt, .pdf and .chm) and only to the extent necessary to support your Derivative Products. For clarity, headers (.h), source (.c, .cpp, .cs and .vb) and statically linked libraries (.lib and .a) cannot be redistributed; (c) will prohibit any, and ensure that there is no, redistribution of any of the Libraries by any third party, including any end user customers; and (d) will include any FLIR and third party proprietary rights legends or notices (including copyright and trademark notices), unaltered and unobscured, on all Derivative Products.
- 5. Ownership:** FLIR and third parties are the owners of and retain title to all proprietary and intellectual property rights (including all patent, copyright, trade secret and trademark rights) in and to the SDK. You have no right, title or interest in the SDK, except as specifically set forth herein, and no rights in any trade-marks of FLIR. All rights not explicitly granted herein are hereby reserved.
- 6. Indemnification:** You assume the entire risk relating to, and will indemnify, hold harmless and defend FLIR from and against any claims, actions, lawsuits, or proceedings, and any losses, liabilities, damages and expenses (including attorney's fees and expenses) that arise or result from your activities under this agreement, including the distribution or use of the SDK (including the Libraries) and/or the development, distribution or use of any Derivative Product (including any intellectual property infringement claims relating thereto).
- 7. No Warranties:** Your use of the SDK is solely at your own risk. The SDK is provided "as is" and "as available" without warranty or condition of any kind, either express, implied or statutory, including implied warranties of merchantability, fitness for a particular application or purpose, title and non-infringement, and FLIR hereby expressly disclaims all such warranties and conditions. Some jurisdictions do not allow the exclusion of implied warranties, so the above exclusion may not apply to you.

8. Limitation of Liability: Notwithstanding any other provision herein, to the maximum extent permitted by applicable law, FLIR will not under any circumstances be liable for any direct, indirect, incidental, consequential, punitive or special losses or damages (including damages for bodily injury or death, business interruption, loss or corruption of business information or data, loss of opportunity, loss of privacy, cost of recovery, financial loss, loss of revenue or loss of profits for any reason whatsoever) whether or not FLIR has been advised or should have been aware of the possibility of any such losses or damage arising, and in no event will the aggregate and cumulative liability of FLIR for any matters arising under this agreement or otherwise exceed \$25.

9. Changes and Support: FLIR may at its sole discretion elect to provide you with limited support services related to the SDK for such period of time as FLIR at its sole discretion elects. FLIR may change or cease to provide the SDK and the limited Support at any time and from time to time without notice to you and that FLIR is not obligated to provide the SDK or any support. FLIR may use any technical information, feedback or ideas you provide to FLIR for FLIR's business purposes, including product support and development.

10. Termination: FLIR may terminate this agreement immediately on notice to you if you violate any of the terms of this agreement. FLIR may also terminate this agreement for convenience provided that 30 days notice is delivered to you. Any notice given by FLIR hereunder will be effective when sent by FLIR to the email address you provided to FLIR when you registered for a download account. On termination, for any reason, your rights hereunder will cease and you must immediately return all copies of the SDK to FLIR and on termination for violation or default, you will be liable to FLIR for all damages suffered as a result of the violation or default. Sections 6-8, 10 and 12 will survive any termination hereof.

11. Export Laws: This agreement involves products and/or technical data that may be controlled under laws and regulations of the United States and other countries, including the United States Export Administration Regulations, or any other applicable law, regulation, rule, guideline or order (collectively, "Export Laws"). You will comply with all Export Laws to ensure that the SDK is not exported, directly or indirectly, in contravention of the Export Laws. You represent and warrant to FLIR that you are not a person barred from receiving the SDK under any Export Laws.

12. General: This agreement is the entire agreement between you and FLIR with respect to the subject matter of this agreement. If you are signing on behalf of an entity such as a corporation, you represent and warrant that you have the authority to bind such entity. This agreement and the rights granted hereunder are personal to you and you may not assign this agreement to a third party without the prior written consent of FLIR. This agreement is governed exclusively by and will be enforced, construed, and interpreted exclusively in accordance with the laws of British Columbia ("BC") and the laws of Canada applicable in BC. The courts of the Province of BC will have exclusive jurisdiction over any dispute arising under this agreement. You agree that termination and/or monetary damages may not be a sufficient remedy if you breach this agreement and that FLIR will be entitled, without waiving any other rights or remedies, to injunctive or equitable relief as may be deemed proper by a court of competent jurisdiction in the event of a breach. If FLIR does not exercise any legal right or remedy in this agreement or otherwise, this will not be taken to be a formal waiver by FLIR of its rights, which rights will remain available to FLIR. If any provision of this agreement is construed to be illegal or invalid, the illegal or invalid provisions will be deemed stricken and deleted herefrom to the same extent and effect as if never incorporated herein, but all other provisions hereof will continue in full force and effect.

Information regarding the protection of Personal Data of users located in the E.U.

This information notice describes FLIR Systems, Inc.'s ("FLIR") use of your personal data when you install and use FLIR's Software Development Kit (SDK) in conjunction with compatible FLIR cameras owned by you and the images derived from such cameras.

1. Personal data we collect

FLIR collects the following data during SDK installation/uninstallation, as well as during the execution of our camera evaluation application (SpinView_WPF):

- Product name
- Product version
- Operating system and architecture
- IP Address and geographical location (which is being anonymized as per Google Analytics setting, see section 11 Google Analytics)
- Data Source (internal from FLIR or external from customers)
- Data related to your use of the SDK:

o Components selected for installation or uninstallation in the installer

- o Timestamp for when installation or uninstallation occurred
- o User interface features selected, updated or modified in the camera evaluation application
- o Timestamp for when features in the camera evaluation application were selected, updated or modified

2. Purposes we process personal data for

We process this personal data for the following purposes:

- To provide services you have requested, and respond to any comments or complaints you may send us;
- We monitor use of our products and services, and may use your information to help us monitor, improve and protect our products, content, services and websites;
- To comply with applicable laws and protection of our legitimate business interests and legal rights, including, but not limited to, use in connection with legal claims, compliance, especially general trade compliance, regulatory, investigative purposes (including disclosure of such information in connection with legal process or litigation).

3. Legal basis for the processing of personal data

Your personal data is processed based on the following legal basis:

- Art. 6 para 1 (b) GDPR to provide the service offerings you have requested.
- Art. 6 para 1 (f) GDPR to achieve research and analytic purposes to improve and further develop service offerings, including but not limited to the service offerings.
- Art. 6 para 1 (c) GDPR for legal compliance based on a legal obligation under EU or Member State law to which we are subject.

4. Sharing personal data

FLIR does not rent, sell or share your Personal Information unnecessarily, or without a clearly defined purpose, and not without ensuring all the necessary protections are in place, to ensure FLIR meets all its legal obligations around the storage, transmission and processing of Personal Information, as set out by all relevant legislations within the markets that FLIR operates. When we share your Personal Information, we do not allow any third-party partners to use it for their own marketing purposes. When we do share your Personal Information, you can be assured that it will only be shared with third-party recipients who will protect your Personal Information as closely as FLIR does. We may share your personal data for the above-mentioned purposes with the following third parties:

- **Affiliates:** We may share your Personal Information with relevant Affiliates of FLIR so that they may assist you locally with the sale of one of our products, service, support, training, or other tasks that need local representation, or if sharing the data is necessary to making available the FLIR Site or FLIR Cloud Services to you. We are also a global enterprise comprised of a group of companies operating internationally. This entails that business functions handling Personal Information to achieve the purposes defined in this Privacy Policy are managed centrally or only by some Affiliates.

FLIR's internal access permissions are strictly controlled, and so FLIR also does not allow access to your Personal Information by FLIR employees, unless the employee requires access to fulfill their role and responsibilities. All companies in the FLIR group are bound, as required by law, to ensure that Personal Information is protected consistent with EU standards as explained in section 7 "Transfer of personal data" below.

- **Service Providers:** Personal data may be shared with third party service providers, who will process it for the purposes above. Such third parties include, but are not limited to, IT service, Cloud Storage service providers, Cloud service providers, training providers, survey service providers, investigators, auditors and data hosting providers.
- **Government Authorities / Law Enforcement Officials:** Personal data may be shared with government authorities and/or law enforcement officials if required for the purposes above, if mandated by law or if required for the legal protection of our legitimate interests in compliance with applicable laws.

5. Transferring personal data

We are committed to maintaining the security of data, including personal data, and we have comprehensive corporate policies regarding information security. We will protect personal data, regardless of whether it is inside or outside the EU and regardless of whether it is processed by us or by third party service providers on our behalf.

Where information is transferred out of the European Economic Area (E.E.A.), and where this is to an affiliate of ours or to a third party in a country that is not subject to an adequacy decision by the E.U. Commission, data is in all cases adequately protected under appropriate safeguards such as E.U. Commission approved standard contractual clauses, an appropriate Privacy Shield certification or a vendor's Processor Binding Corporate Rules.

6. Your rights

You may be entitled to ask us for a copy of your personal data, to correct it, erase or restrict its processing, or to ask us to transfer some of this personal data to other organizations. You may also have rights to object to some processing activities, such as the profiling we may perform for the purposes of direct marketing, and, where we have asked for your consent to process your data, to withdraw this consent. These rights may be limited in some situations – for example, where we can demonstrate that we have a legal requirement to process your data. In some instances, this may mean that we are able to retain data even if you withdraw your consent.

Participating in the pre-release testing and providing feedback and receiving recommendations is entirely voluntary. However, if you wish to participate in the testing, it is mandatory for you to provide certain information to allow us to conduct a useful test in regard to its purpose (collecting user experience based on user profiles) or so that we can comply with legal or contractual obligations: if such data is not provided, then we will not be able to manage our contractual relationship, or to meet obligations placed on us. In all other cases, provision of requested personal data is optional.

7. Contact options

For any questions or concerns relating to this information notice, or our data protection practices, please contact us at: FLIR Systems Trading Belgium BVBA, Luxemburgstraat 2, 2321 Meer, Belgium. Phone: +32 (0) 3665 5100; E-Mail: PersonalDataManager@flir.com

8. Data retention and deletion

We will keep your personal data described in section 1 for 26 months to provide the Service Offerings you have requested. Afterwards, we may retain data for an appropriate period to protect ourselves from legal claims, to administer our business, or to the extent permitted by applicable law, which may require us to hold your personal data for specific periods. We will delete your personal data, when you object to the processing in accordance with “What rights to you have in relation to your data” (see above) or when we are obliged to delete it in accordance with an obligation under applicable law.

9. Changes to this information notice

This information notice may, from time to time, change. Such amendments might become necessary due to the need to keep the information notice up to date, given changes in our business practice or in response to legislative changes, and whether they are international or national changes, and may be made without prior notice. If there are any significant changes made to the use of your personal data, which differs from that which was stated at the time your personal data was collected, then we will notify you by e-mail to the e-mail address you have registered.

10. Cookies

We use cookies within our App. Cookies are small text files sent by a web server to the App and saved locally on your device. The cookie allows the server to uniquely identify the App. Cookies do not cause any harm to your device and do not contain viruses. We use the following categories of cookies on our App:

- Category 1: Strictly Necessary Cookies

These cookies are essential in order to enable you to move around the App and use its features. Without these cookies, services you have asked for such as remembering your login details or data provided cannot be provided.

- Category 2: Performance Cookies

These cookies collect information on how people use our App. For example, we use Google Analytics cookies to help us understand how users arrive at our site, browse or use our site and highlight areas where we can improve areas such as navigation, App experience and marketing campaigns. The data stored by these cookies never shows personal details from which your individual identity can be established.

- Category 3: Functionality Cookies

These cookies remember choices you make such as the country you visit our App from, language and search parameters.

11. Google Analytics

Our installer and camera evaluation application uses Google Analytics, which is an analytics service provided by the third party provider Google, Inc. ("Google"). Google Analytics is used for the purpose of evaluating your use of our App, compiling reports on App activity and other services relating to website activity and internet usage. The information generated by the cookie about your use of the App is usually transmitted to and stored by Google on servers in the United States. This transfer is covered by Google's Privacy Shield certification and a separate data processing agreement that we have concluded with Google. In our installer and camera evaluation application, we have also activated the IP anonymization feature provided by Google to help protect your privacy. This means that your IP address will automatically be shortened after it is collected so it can no longer be connected to you and likewise your geographical location will be interpreted by Google Analytics through the use of IP by enabling IP anonymization up to city level (see <https://support.google.com/analytics/answer/2763052?hl=en>). For more information see https://support.google.com/analytics/answer/6004245?ref_topic=2919631 (information on Google Analytics and data privacy).

Apache License 1.1

/* =====

The Apache Software License, Version 1.1

Copyright (c) 2000 The Apache Software Foundation. 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. 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 National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign./

Apache License 2.0

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.

"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 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.

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, 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 express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache License 2.0 (libomp)

=====

The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:

=====

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.

"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 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.

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, 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 express or implied. See the License for the specific language governing permissions and limitations under the License.

---- LLVM Exceptions to the Apache 2.0 License ----

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License. In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

The software contained in this directory tree is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both. The full text of the relevant licenses is included below. In addition, a license agreement from the copyright/patent holders of the software contained in this directory tree is included below.

=====

University of Illinois/NCSA

Open Source License

Copyright (c) 1997-2019 Intel Corporation

All rights reserved.

Developed by:

OpenMP Runtime Team

Intel Corporation

<http://www.openmp.rti.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with 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:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of Intel Corporation OpenMP Runtime Team nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

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 CONTRIBUTORS 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 WITH THE SOFTWARE.

=====

Copyright (c) 1997-2019 Intel Corporation

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.

=====

Intel Corporation

Software Grant License Agreement ("Agreement")

Except for the license granted herein to you, Intel Corporation ("Intel") reserves all right, title, and interest in and to the Software (defined below).

Definition

"Software" means the code and documentation as well as any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by Intel to llvm.org (http://llvm.org) ("LLVM") for inclusion in, or documentation of, any of the products owned or managed by LLVM (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to LLVM 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, LLVM for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked otherwise.

1. Grant of Copyright License. Subject to the terms and conditions of this Agreement, Intel hereby grants to you and to recipients of the Software distributed by LLVM 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 Software and such derivative works.

2. Grant of Patent License. Subject to the terms and conditions of this Agreement, Intel hereby grants you and to recipients of the Software distributed by LLVM 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 by Intel that are necessarily infringed by Intel's Software alone or by combination of the Software with the Work to which such Software was submitted. If any entity institutes patent litigation against Intel or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that Intel's Software, or the Work to which Intel has contributed constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for the Software or Work shall terminate as of the date such litigation is filed.

Unless required by applicable law or agreed to in writing, the software 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.

=====

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.

BSD 2-Clause Simplified License

The FreeBSD Copyright

Copyright 1992-2010 The FreeBSD 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:

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. THIS SOFTWARE IS PROVIDED BY THE FREEBSD PROJECT ``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 FREEBSD PROJECT 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 views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

BSD 3-Clause New or Revised License

Copyright (c) 2016-2025, <copyright holder> 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 <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 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.

Code Project Open License 1.02

This License governs Your use of the Work. This License is intended to allow developers to use the Source Code and Executable Files provided as part of the Work in any application in any form.

The main points subject to the terms of the License are:

- Source Code and Executable Files can be used in commercial applications;
- Source Code and Executable Files can be redistributed; and
- Source Code can be modified to create derivative works.
- No claim of suitability, guarantee, or any warranty whatsoever is provided. The software is provided "as-is".
- The Article accompanying the Work may not be distributed or republished without the Author's consent

This License is entered between You, the individual or other entity reading or otherwise making use of the Work licensed pursuant to this License and the individual or other entity which offers the Work under the terms of this License ("Author").

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CODE PROJECT OPEN LICENSE ("LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HEREIN, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE AUTHOR GRANTS YOU THE RIGHTS CONTAINED HEREIN IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS. IF YOU DO NOT AGREE TO ACCEPT AND BE BOUND BY THE TERMS OF THIS LICENSE, YOU CANNOT MAKE ANY USE OF THE WORK.

Definitions.

"**Articles**" means, collectively, all articles written by Author which describes how the Source Code and Executable Files for the Work may be used by a user.

"**Author**" means the individual or entity that offers the Work under the terms of this License.

"**Derivative Work**" means a work based upon the Work or upon the Work and other pre-existing works.

"**Executable Files**" refer to the executables, binary files, configuration and any required data files included in the Work.

"**Publisher**" means the provider of the website, magazine, CD-ROM, DVD or other medium from or by which the Work is obtained by You.

"**Source Code**" refers to the collection of source code and configuration files used to create the Executable Files.

"**Standard Version**" refers to such a Work if it has not been modified, or has been modified in accordance with the consent of the Author, such consent being in the full discretion of the Author.

"**Work**" refers to the collection of files distributed by the Publisher, including the Source Code, Executable Files, binaries, data files, documentation, whitepapers and the Articles.

"**You**" is you, an individual or entity wishing to use the Work and exercise your rights under this License.

Fair Use/Fair Use Rights. Nothing in this License is intended to reduce, limit, or restrict any rights arising from fair use, fair dealing, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

License Grant. Subject to the terms and conditions of this License, the Author hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

- You may use the standard version of the Source Code or Executable Files in Your own applications.
- You may apply bug fixes, portability fixes and other modifications obtained from the Public Domain or from the Author. A Work modified in such a way shall still be considered the standard version and will be subject to this License.
- You may otherwise modify Your copy of this Work (excluding the Articles) in any way to create a Derivative Work, provided that You insert a prominent notice in each changed file stating how, when and where You changed that file.
- You may distribute the standard version of the Executable Files and Source Code or Derivative Work in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution.

The Articles discussing the Work published in any form by the author may not be distributed or republished without the Author's consent. The author retains copyright to any such Articles. You may use the Executable Files and Source Code pursuant to this License but you may not repost or republish or otherwise distribute or make available the Articles, without the prior written consent of the Author.

Any subroutines or modules supplied by You and linked into the Source Code or Executable Files of this Work shall not be considered part of this Work and will not be subject to the terms of this License.

Patent License. Subject to the terms and conditions of this License, each Author 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, import, and otherwise transfer the Work.

Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

You agree not to remove any of the original copyright, patent, trademark, and attribution notices and associated disclaimers that may appear in the Source Code or Executable Files.

You agree not to advertise or in any way imply that this Work is a product of Your own.

The name of the Author may not be used to endorse or promote products derived from the Work without the prior written consent of the Author.

You agree not to sell, lease, or rent any part of the Work. This does not restrict you from including the Work or any part of the Work inside a larger software distribution that itself is being sold. The Work by itself, though, cannot be sold, leased or rented.

You may distribute the Executable Files and Source Code only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy of the Executable Files or Source Code You distribute and ensure that anyone receiving such Executable Files and Source Code agrees that the terms of this License apply to such Executable Files and/or Source Code. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute the Executable Files or Source Code with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License.

You agree not to use the Work for illegal, immoral or improper purposes, or on pages containing illegal, immoral or improper material. The Work is subject to applicable export laws. You agree to comply with all such laws and regulations that may apply to the Work after Your receipt of the Work.

Representations, Warranties and Disclaimer. THIS WORK IS PROVIDED "AS IS", "WHERE IS" AND "AS AVAILABLE", WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OR GUARANTEES. YOU, THE USER, ASSUME ALL RISK IN ITS USE, INCLUDING COPYRIGHT INFRINGEMENT, PATENT INFRINGEMENT, SUITABILITY, ETC. AUTHOR EXPRESSLY DISCLAIMS ALL EXPRESS, IMPLIED OR STATUTORY WARRANTIES OR CONDITIONS, INCLUDING WITHOUT LIMITATION, WARRANTIES OR CONDITIONS OF MERCHANTABILITY, MERCHANTABLE QUALITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF TITLE OR NON-INFRINGEMENT, OR THAT THE WORK (OR ANY PORTION THEREOF) IS CORRECT, USEFUL, BUG-FREE OR FREE OF VIRUSES. YOU MUST PASS THIS DISCLAIMER ON WHENEVER YOU DISTRIBUTE THE WORK OR DERIVATIVE WORKS.

Indemnity. You agree to defend, indemnify and hold harmless the Author and the Publisher from and against any claims, suits, losses, damages, liabilities, costs, and expenses (including reasonable legal or attorneys' fees) resulting from or relating to any use of the Work by You.

Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL THE AUTHOR OR THE PUBLISHER BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK OR OTHERWISE, EVEN IF THE AUTHOR OR THE PUBLISHER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Termination.

This License and the rights granted hereunder will terminate automatically upon any breach by You of any term of this License. Individuals or entities who have received Derivative Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses.

Sections 1, 2, 6, 7, 8, 9, 10 and 11 will survive any termination of this License.

If You bring a copyright, trademark, patent or any other infringement claim against any contributor over infringements You claim are made by the Work, your License from such contributor to the Work ends automatically.

Subject to the above terms and conditions, this License is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, the Author reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

Publisher. The parties hereby confirm that the Publisher shall not, under any circumstances, be responsible for and shall not have any liability in respect of the subject matter of this License. The Publisher makes no warranty whatsoever in connection with the Work and shall not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. The Publisher reserves the right to cease making the Work available to You at any time without notice

Miscellaneous

This License shall be governed by the laws of the location of the head office of the Author or if the Author is an individual, the laws of location of the principal place of residence of the Author.

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

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed herein. There are no understandings, agreements or representations with respect to the Work not specified herein. The Author shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Author and You.

Creative Commons Attribution Share Alike 3.0

Creative Commons

Attribution-ShareAlike 3.0 Unported

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

"Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.

"Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined below) for the purposes of this License.

"Creative Commons Compatible License" means a license that is listed at <http://creativecommons.org/compatiblelicenses> that has been approved by Creative Commons as being essentially equivalent to this License, including, at a minimum, because that license: (i) contains terms that have the same purpose, meaning and effect as the License Elements of this License; and, (ii) explicitly permits the relicensing of adaptations of works made available under that license under this License or a Creative Commons jurisdiction license with the same License Elements as this License.

"Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.

"License Elements" means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.

"Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.

"Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.

"Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

"Publicly Perform" means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

"Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights.

Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant.

Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;

to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";

to Distribute and Publicly Perform the Work including as incorporated in Collections; and,

to Distribute and Publicly Perform Adaptations.

For the avoidance of doubt:

Non-waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;

Waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

Voluntary License Schemes. The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8 (f), all rights not expressly granted by Licensor are hereby reserved.

4. Restrictions.

The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(c), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(c), as requested.

You may Distribute or Publicly Perform an Adaptation only under the terms of: (i) this License; (ii) a later version of this License with the same License Elements as this License; (iii) a Creative Commons jurisdiction license (either this or a later license version) that contains the same License Elements as this License (e.g., Attribution-ShareAlike 3.0 US)); (iv) a Creative Commons Compatible License. If you license the Adaptation under one of the licenses mentioned in (iv), you must comply with the terms of that license. If you license the Adaptation under the terms of any of the licenses mentioned in (i), (ii) or (iii) (the "Applicable License"), you must comply with the terms of the Applicable License generally and the following provisions: (I) You must include a copy of, or the URI for, the Applicable License with every copy of each Adaptation You Distribute or Publicly Perform; (II) You may not offer or impose any terms on the Adaptation that restrict the terms of the Applicable License or the ability of the recipient of the Adaptation to exercise the rights granted to that recipient under the terms of the Applicable License; (III) You must keep intact all notices that refer to the Applicable License and to the disclaimer of warranties with every copy of the Work as included in the Adaptation You Distribute or Publicly Perform; (IV) when You Distribute or Publicly Perform the Adaptation, You may not impose any effective technological measures on the Adaptation that restrict the ability of a recipient of the Adaptation from You to exercise the rights granted to that recipient under the terms of the Applicable License. This Section 4(b) applies to the Adaptation as incorporated in a Collection, but this does not require the Collection apart from the Adaptation itself to be made subject to the terms of the Applicable License.

If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4(c) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action

prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTIBILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability.

EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

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

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

Creative Commons Notice

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time. For the avoidance of doubt, this trademark restriction does not form part of the License.

Creative Commons may be contacted at <http://creativecommons.org/>

curl

License

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2016, Daniel Stenberg, daniel@haxx.se, and many contributors, see the THANKS file.

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.

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.

FreelImage Public License - Version 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:
 - 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 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 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.

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 "Freelimage", "Freelimage 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 Freelimage 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 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 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 FreedImage 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.

GNU General Public License 2.0

Version 2, June 1991

Copyright (C) 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 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 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,
- 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 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 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

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 an idea of what it does. Copyright (C) yyyy 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, 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 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.

GNU Lesser General Public License 2.1 or Later

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 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 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.

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 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 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 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 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 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.

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 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.

signature of Ty Coon, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

GNU Lesser General Public License 3.0

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <<https://fsf.org/>>

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 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 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.

Intel Software Development Products License

End User License Agreement for the Intel(R) Software Development Products

1. LICENSE DEFINITIONS:

A. "Materials" are defined as the software, documentation, license key codes and other materials, including any updates and upgrade thereto, that are provided to you under this Agreement. Materials also include the Redistributables, Cluster OpenMP Library, and Sample Source as defined below.

B. "Redistributables" are the files listed in the following text files that may be included in the Materials for the applicable Intel Software Development Product: clredist.txt, credist.txt, fredist.txt, redist.txt.

C. "Cluster OpenMP Library", is comprised of the files listed in the "clredist.txt" file specified above, is the Intel(R) Cluster OpenMP* Library add-on option to the Intel(R) C++ Compiler for Linux* and Intel(R) Fortran Compiler for Linux* products ("Intel Compiler for Linux"). The use of the Cluster OpenMP Library is conditioned on having a valid license from Intel for the Cluster OpenMP Library and for either Intel Compiler for Linux, and further is governed by the terms and conditions of the license agreement for applicable the Intel Compiler for Linux.

D. "Source Code" is defined as the Materials provided in human readable format, whether unmodified or modified by you.

E. "Sample Source" is the Source Code file(s) that: (i) demonstrate certain limited functions included in the binary libraries of the Intel (R) Integrated Performance Primitives ("Intel(R) IPPs"); (ii) are identified as Intel IPP sample source code; (iii) are obtained separately from Intel after you register your copy of the Intel Integrated Performance Primitives product with Intel; and (iv) are subject to all of the terms and conditions of this Agreement.

F. "Microsoft Platforms" means any current and future Microsoft operating system products, Microsoft run-time technologies (such as the .NET Framework), and Microsoft application platforms (such as Microsoft Office or Microsoft Dynamics) that Microsoft offers.

2. LICENSE GRANT:

A. Subject to all of the terms and conditions of this Agreement, Intel Corporation ("Intel") grants to you a non-exclusive, non-assignable, copyright license to use the Materials.

B. Subject to all of the terms and conditions of this Agreement, Intel grants to you a non-exclusive, non-assignable copyright license to modify the Materials, or any portions thereof, that are (i) provided in Source Code form or, (ii) are defined as Redistributables and are provided in text form.

C. Subject to all of the terms and conditions of this Agreement and any specific restrictions which may appear in the Redistributables text files, Intel grants to you a non-exclusive, non-assignable, fullypaid copyright license to distribute (except if you received the Materials under an Evaluation License as specified below) the Redistributables, including any modifications pursuant to Section 2.B, or any portions thereof, as part of the product or application you developed using the Materials. If such application is a software development library, then attribution, as specified in the product release notes of the corresponding Materials, shall be displayed prominently in that application's product documentation and on the application's product web site.

3. LICENSE RESTRICTIONS:

A. If you receive your first copy of the Materials electronically, and a second copy on media, then you may use the second copy only in accordance with your applicable license stated in this Agreement, or for backup or archival purposes. You may not provide the second copy to another user.

B. You may NOT: (i) use or copy the Materials except as provided in this Agreement; (ii) rent or lease the Materials to any third party; (iii) assign this Agreement or transfer the Materials without the express written consent of Intel; (iv) modify, adapt, or translate the Materials in whole or in part except as provided in this Agreement; (v) reverse engineer, decompile, or disassemble the Materials; (vi) attempt to modify or tamper with the normal function of a license manager that regulates usage of the Materials; (vii) distribute, sublicense or transfer the Source Code form of any components of the Materials, Redistributables and Sample Source and derivatives thereof to any third party except as provided in this Agreement; (viii) distribute Redistributables except as part of a larger program that adds significant primary functionality different from that of the Redistributables; (ix) distribute the Redistributables to run on a platform other than a Microsoft Platform if per the accompanying user documentation the Materials are meant to execute only on

the Microsoft Platforms; (x) include the Redistributables in malicious, deceptive, or unlawful programs; or (xi) modify or distribute the Source Code of any Redistributable so that any part of it becomes subject to an Excluded License. An "Excluded License" is one that requires, as a condition of use, modification, or distribution, that (a) the code be disclosed or distributed in source code form; or (b) others have the right to modify it.

C. The scope and duration (time period) of your license depends on the type of license you obtained from Intel. The variety of license types are set forth below, which may not be available for all "Intel(R) Software Development Products" and therefore may not apply to the Materials. For more information on the types of licenses, please contact Intel or your sales representative.

i. **PRE-RELEASE LICENSE:** If you are using the Materials under the control of a pre-release license, (a) the Materials are pre-release code (e.g., beta release, etc), which may not be fully functional and which Intel may substantially modify in producing any commercial version, and which Intel can provide no assurance that it will ever produce or make generally available a commercial version, and (b) you as an individual may use the Materials only for the term of the pre-release time period, which is specified elsewhere in the Materials, or upon the commercial release of the Materials. You may install copies of the Materials on an unlimited number of computers provided that you are the only individual using the Materials and only one copy of the Materials is in use at any one time. A separate license is required for each additional use and/or individual user in all other cases. If you are an entity, Intel grants you the right to designate one individual within your organization to have the sole right to use the Materials in the manner provided above.

ii. **EVALUATION LICENSE:** If you are using the Materials under the control of an Evaluation license, you as an individual may use the Materials only for internal evaluation purposes and only for the term of the evaluation time period, which may be controlled by the license key code for the Materials. NOTWITHSTANDING ANYTHING TO THE CONTRARY ELSEWHERE IN THIS AGREEMENT, YOU MAY NOT DISTRIBUTE ANY PORTION OF THE MATERIALS, AND THE APPLICATION AND/OR PRODUCT DEVELOPED BY YOU MAY ONLY BE USED FOR EVALUATION PURPOSES AND ONLY FOR THE TERM OF THE EVALUATION PERIOD. You may install copies of the Materials on a reasonable number of computers to conduct your evaluation provided that you are the only individual using the Materials and only one copy of the Materials is in use at any one time. A separate license is required for each additional use and/or individual user in all other cases. Intel may provide you with a license code key that enables the Materials for an Evaluation license. If you are an entity, Intel grants you the right to designate one individual within your organization to have the sole right to use the Materials in the manner provided above.

iii. **NONCOMMERCIAL-USE LICENSE:** If you are using the Materials under the control of a Noncommercial-Use license, you as an individual may use the Materials only for non-business use where you receive no fee, salary or any other form of compensation. The Materials may not be used for any other purpose, whether "for profit" or "not for profit." Any work performed or produced as a result of use of the Materials cannot be performed or produced for the benefit of other parties for a fee, compensation or any other reimbursement or remuneration. You may install copies of the Materials on an unlimited number of computers provided that you are the only individual using the Materials and only one copy of the Materials is in use at any one time. A separate license is required for each additional use and/or individual user in all other cases. Intel will provide you with a license code key that enables the Materials for a Noncommercial- Use license. If you obtained a time-limited Noncommercial-Use license, the duration (time period) of your license and your ability to use the Materials is limited to the time period of the obtained license, which is controlled by the license key code for the Materials. If you are an entity, Intel grants you the right to designate one individual within your organization to have the sole right to use the Materials in the manner provided above.

iv. **SINGLE-USER LICENSE:** If you are using the Materials under the control of a Single-User license, you as an individual may install and use the Materials on an unlimited number of computers provided that you are the only individual using the Materials and only one copy of the Materials is in use at any one time. A separate license is required for each additional use and/or individual user in all other cases. Intel will provide you with a license code key that enables the Materials for a Single-User license. If you obtained a time-limited Single-User license, the duration (time period) of your license and your ability to use the Materials is limited to the time period of the obtained license, which is controlled by the license key code for the Materials. If you are an entity, Intel grants you the right to designate one individual within your organization to have the sole right to use the Materials in the manner provided above.

v. **NODE-LOCKED LICENSE:** If you are using the Materials under the control of a Node-Locked license, you may use the Materials only on a single designated computer by no more than the authorized number of concurrent users. A separate license is required for each additional concurrent user and/or computer in all other cases. Intel will provide you with a license code key that enables the Materials for a Node-Locked license up to the authorized number of concurrent users. If you obtained a time-limited Node-Locked

license, the duration (time period) of your license and your ability to use the Materials is limited to the time period of the obtained license, which is controlled by the license key code for the Materials.

vi. FLOATING LICENSE: If you are using the Materials under the control of a Floating license, you may (a) install the Materials on an unlimited number of computers that are connected to the designated network and (b) use the Material by no more than the authorized number of concurrent users. A separate license is required for each additional concurrent user and/or network on which the Materials are used. Intel will provide you with a license code key that enables the Materials for a Floating license up to the authorized number of concurrent users. If you obtained a time-limited Floating license, the duration (time period) of your license and your ability to use the Materials is limited to the time period of the obtained license, which is controlled by the license key code for the Materials. Intel Library Floating License: If the Materials are the Intel(R) Math Kernel Library or the Intel(R) Integrated Performance Primitives Library or the Intel(R) Threading Building Blocks (either "Intel Library"), then the Intel Library is provided to you as an add-on option to either the Intel(R) C++ Compiler product or the Intel(R) Fortran Compiler product (either "Intel Compiler") for which you have a Floating license, and as such, in addition to the terms and conditions above, the Intel Library may only be used by the authorized concurrent users of that Intel Compiler Floating license.

D. DISTRIBUTION: Distribution of the Redistributables is also subject to the following limitations: You (i) shall be solely responsible to your customers for any update or support obligation or other liability which may arise from the distribution, (ii) shall not make any statement that your product is "certified", or that its performance is guaranteed, by Intel, (iii) shall not use Intel's name or trademarks to market your product without written permission, (iv) shall use a license agreement that prohibits disassembly and reverse engineering of the Redistributables, (v) shall indemnify, hold harmless, and defend Intel and its suppliers from and against any claims or lawsuits, including attorney's fees, that arise or result from your distribution of any product.

E. Intel(R) Integrated Performance Primitives (Intel IPP). The following terms and conditions apply only to the Intel IPP.

i. Notwithstanding anything in this Agreement to the contrary, if you implement the Sample Sources in your application or if you use Intel IPP to implement algorithms that are protected by others' licenses then you may need additional licenses from various entities. Should any such additional licenses be required, you are solely responsible for obtaining any such licenses and agree to obtain any such licenses at your own expense.

ii. Notwithstanding anything herein to the contrary, a valid license to Intel IPP is a prerequisite to any license for Sample Source, and possession of Sample Source does not grant any license to Intel IPP (or any portion thereof). To access Sample Source, you must first register your licensed copy of the Intel IPP with Intel. By downloading, installing or copying any Sample Source file, you agree to be bound by terms of this Agreement.

F. SOFTWARE TRANSFER: You may permanently transfer the Materials and all of your rights under this Agreement to another party ("Recipient") only if you notify Intel of the transfer by sending a letter to Intel certifying that you retain no copies of the Materials and that the Recipient has agreed in writing to be bound by all of the terms and conditions of this Agreement. Please send such letter to:

Intel Corporation

2111 NE 25th Avenue

Hillsboro, OR 97124

Attn: DPD Contracts Management, JF1-15

4. COPYRIGHT: Title to the Materials and all copies thereof remain with Intel or its suppliers. The Materials are copyrighted and are protected by United States copyright laws and international treaty provisions. You will not remove any copyright notice from the Materials. You agree to prevent any unauthorized copying of the Materials. Except as expressly provided herein, no license or right is granted to you directly or by implication, inducement, estoppel or otherwise, specifically Intel does not grant any express or implied right to you under Intel patents, copyrights, trademarks, or trade secret information.

5. NO WARRANTY AND LIMITED REPLACEMENT: THE MATERIALS AND INFORMATION ARE PROVIDED "AS IS" WITH NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION, OR SAMPLE. If the media on which the Materials are furnished are found to be defective in material or workmanship under normal use for a period of ninety (90) days from the date of receipt, Intel's entire liability and your exclusive remedy shall be the replacement of the media. This offer is void if the media defect results from accident, abuse, or misapplication.

6. **LIMITATION OF LIABILITY:** THE ABOVE REPLACEMENT PROVISION IS THE ONLY WARRANTY OF ANY KIND. INTEL OFFERS NO OTHER WARRANTY EITHER EXPRESS OR IMPLIED INCLUDING THOSE OF MERCHANTABILITY, NONINFRINGEMENT OF THIRD- PARTY INTELLECTUAL PROPERTY OR FITNESS FOR A PARTICULAR PURPOSE. NEITHER INTEL NOR ITS SUPPLIERS SHALL BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE, EVEN IF INTEL HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME JURISDICTIONS PROHIBIT THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

7. **UNAUTHORIZED USE:** THE MATERIALS ARE NOT DESIGNED, INTENDED, OR AUTHORIZED FOR USE IN ANY TYPE OF SYSTEM OR APPLICATION IN WHICH THE FAILURE OF THE MATERIALS COULD CREATE A SITUATION WHERE PERSONAL INJURY OR DEATH MAY OCCUR (E.G MEDICAL SYSTEMS, LIFE SUSTAINING OR LIFE SAVING SYSTEMS). Should the buyer purchase or use the Materials for any such unintended or unauthorized use, the buyer shall indemnify and hold Intel and its officers, subsidiaries and affiliates harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of product liability, personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Intel was negligent regarding the design or manufacture of the part.

8. **USER SUBMISSIONS:** You agree that any material, information or other communication you transmit or post to an Intel website or provide to Intel under this Agreement related to the features, functions, performance or use of the Materials will be considered non-confidential and non-proprietary ("Communications"). Intel will have no obligations with respect to the Communications. You hereby grant to Intel a non-exclusive, perpetual, irrevocable, royalty-free, copyright license to copy, modify, create derivative works, publicly display, disclose, distribute, license and sublicense through multiple tiers of distribution and licensees, incorporate and otherwise use the Communications and all data, images, sounds, text, and other things embodied therein, including derivative works thereto, for any and all commercial or non-commercial purposes. You are prohibited from posting or transmitting to or from an Intel website or provide to Intel any unlawful, threatening, libelous, defamatory, obscene, pornographic, or other material that would violate any law. If you wish to provide Intel with your confidential information, Intel requires a non-disclosure agreement ("NDA") to receive such confidential information, so please contact your Intel representative to ensure the proper NDA is in place.

9. **CONSENT.** You agree that Intel, its subsidiaries or suppliers may collect and use technical and related information, including but not limited to technical information about your computer, system and application software, and peripherals, that is gathered periodically to facilitate the provision of software updates, product support and other services to you (if any) related to the Materials, and to verify compliance with the terms of this Agreement. Intel may use this information, as long as it is in a form that does not personally identify you, to improve our products or to provide services or technologies to you.

10. **TERMINATION OF THIS LICENSE:** This Agreement becomes effective on the date you accept this Agreement and will continue until terminated as provided for in this Agreement. If you are using the Materials under the control of a time-limited license, for example an Evaluation License, this Agreement terminates without notice on the last day of the time period, which is specified elsewhere in the Materials, and/or controlled by the license key code for the Materials. Intel may terminate this license immediately if you are in breach of any of its terms and conditions and such breach is not cured within thirty (30) days of written notice from Intel. Upon termination, you will immediately return to Intel or destroy the Materials and all copies thereof. Any distribution of the Redistributables conducted in accordance with the terms and conditions of this Agreement shall survive termination of this Agreement.

11. **U.S. GOVERNMENT RESTRICTED RIGHTS:** The technical data and computer software covered by this license is a "Commercial Item," as such term is defined by the FAR 2.101 (48 C.F.R. 2.101) and is "commercial computer software" and "commercial computer software documentation" as specified under FAR 12.212 (48 C.F.R. 12.212) or DFARS 227.7202 (48 C.F.R. 227.7202), as applicable. This commercial computer software and related documentation is provided to end users for use by and on behalf of the U.S. Government, with only those rights as are granted to all other end users pursuant to the terms and conditions herein. Use for or on behalf of the U.S. Government is permitted only if the party acquiring or using this software is properly authorized by an appropriate U.S. Government official. This use by or for the U.S. Government clause is in lieu of, and supersedes, any other FAR, DFARS, or other provision that addresses Government rights in the computer software or documentation covered by this license. All copyright licenses granted to the U.S. Government are coextensive with the technical data and computer software licenses granted herein. The U.S. Government shall only have the right to reproduce, distribute, perform, display, and prepare derivative works as needed to implement those rights.

12. **GENERAL PROVISIONS**

A. ENTIRE AGREEMENT: This Agreement is intended to be the entire agreement between you and Intel with respect to matters contained herein, and supersedes all prior or contemporaneous agreements and negotiations with respect to those matters. No waiver of any breach or default shall constitute a waiver of any subsequent breach or default. If any provision of this Agreement is determined by a court to be unenforceable, you and Intel will deem the provision to be modified to the extent necessary to allow it to be enforced to the extent permitted by law, or if it cannot be modified, the provision will be severed and deleted from this Agreement, and the remainder of the Agreement will continue in effect. Any change, modification or waiver to this Agreement must be in writing and signed by an authorized representative of you and Intel.

B. APPLICABLE LAWS: Any claim arising under or relating to this Agreement shall be governed by the internal substantive laws of the State of Delaware, without regard to principles of conflict of laws. You agree that the terms of the United Nations Convention on Contracts for the Sale of Goods do not apply to this Agreement. You agree that your distribution and export/re-export of the Software and permitted modifications shall be in compliance with the laws, regulations, orders or other restrictions of applicable export laws.

13. THIRD PARTY PROGRAMS. The Materials may include third party programs or materials. The license terms with those programs or materials apply to your use of them, and Intel is not liable for them. * Other names and brands may be claimed as the property of others

ISC License

Copyright 2004-2010 by Internet Systems Consortium, Inc. ("ISC")

Copyright 1995-2003 by Internet Software Consortium

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.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC 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.

License for GenICam by EMVA

Copyright (c) 2005-2016-2025, <copyright holder> All rights reserved.

Redistribution and use in source and binary forms, 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 GenICam standard group 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.

Microsoft Windows Server 2003 SP1 SDK License for sample code (not MFC ATL CRT)

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT PLATFORM SOFTWARE DEVELOPMENT KIT

FOR MICROSOFT WINDOWS SERVER 2003 SERVICE PACK 1

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft:

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

By using this software, you accept these terms. If you do not accept them, do not use the software.

If you comply with these license terms, you have the rights below:

1. USE RIGHTS.

a. Use. You may install the software on any number of devices to design, develop and test your programs that run on a Microsoft Windows operating system.

b. Other Microsoft Programs. The software contains other Microsoft programs. The license terms with those programs apply to your use of them.

c. Distributable Code. The software contains code that you are permitted to copy and distribute in programs you develop if you comply with the terms below.

i. Right to Use and Distribute. The code and text files listed below are “Distributable Code.” You may:

- REDIST.TXT Files. Copy and distribute the object code form of code listed in REDIST.TXT files;
- Sample Code. Modify, copy and distribute the source and object code form of code marked as “sample” except for files identified as MFCs, ATLs and CRTs (see below);
- MFCs, ATLs and CRTs. Modify the source code form of Microsoft Foundation Classes (MFCs), Active Template Libraries (ATLs), and C runtimes (CRTs) to design, develop and test your programs, and copy and distribute the object code form of your modified files under a new name; and
- Third Party Distribution. Permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

ii. Distribution Requirements. For any Distributable Code you distribute, you must:

- add significant primary functionality to it in your programs;
- only invoke the software via interfaces described in the software documentation;
- for any Distributable Code having a filename extension of .lib, distribute only the results of running such Distributable Code through a linker with your application;
- distribute Distributable Code included in a setup program only as part of that setup program without modification;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display your valid copyright notice on your programs;

- for Distributable Code from the Windows Media Services SDK portions of the software, include in your program's Help-About box (or in another obvious place if there is no box) the following copyright notice: "Portions utilize Microsoft Windows Media Technologies. Copyright (c) 1999-2005 Microsoft Corporation. All Rights Reserved"; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

iii. Distribution Restrictions. You may not:

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- distribute Distributable Code to run on a platform other than the Windows platform;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that:
 - o the code be disclosed or distributed in source code form, or
 - o others have the right to modify it.

2. TRANSFER. The first user of the software may transfer it and this agreement directly to a third party. Before the transfer, that party must agree that this agreement applies to the transfer and use of the software. The first user must uninstall the software before transferring it separately from the device. The first user may not retain any copies.

3. BACKUP COPY. You may make one backup copy of the software. You may use it only to reinstall the software.

4. DOCUMENTATION. You may copy and use the documentation for your internal, reference purposes.

5. EXPORT RESTRICTIONS. The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

6. SUPPORT SERVICES. Because this software is "as is," we may not provide support services for it.

7. SCOPE OF LICENSE. The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not:

- work around any technical limitations in the software,
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation,
- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation,
- publish the software for others to copy,
- rent, lease or lend the software, or
- use the software for commercial software hosting services.

8. ENTIRE AGREEMENT. This agreement and the terms for supplements, updates, Internet-based services and support services that you use are the entire agreement for the software and support services.

9. APPLICABLE LAW.

a. United States. If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. Outside the United States. If you acquired the software in any other country, the laws of that country apply.

10. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your country if the laws of your country do not permit it to do so.

11. **DISCLAIMER OF WARRANTY.** The software is licensed “as-is”. You bear the risk of using it. Microsoft gives no express warranties, guarantees or conditions. You may have additional consumer rights under your local laws which this agreement cannot change. To the extent permitted under your local laws, Microsoft excludes the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

12. **LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES.** You can recover from Microsoft and its suppliers only direct damages up to U.S. \$5.00. You cannot recover any other damages, including consequential, lost profits, special, indirect or incidental damages. This limitation applies to:

- anything related to the software, services, content (including code) on third party Internet sites, or third party programs, and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

Please note: As this software is distributed in Quebec, Canada, some of the clauses in this agreement are provided below in French.

Remarque: Ce logiciel étant distribué au Québec, Canada, certaines des clauses dans ce contrat sont fournies ci-dessous en français.

EXONÉRATION DE GARANTIE. Le logiciel visé par une licence est offert « tel quel ». Toute utilisation de ce logiciel est à votre seule risque et péril. Microsoft n’accorde aucune garantie ou condition expresse. Vous pouvez disposer de droits de consommateur additionnels que vous confèrent vos lois locales, que la présente licence ne peut modifier. Dans la mesure permise par vos lois locales, les garanties implicites de qualité marchande, d’adaptation à un usage particulier et d’absence de contrefaçon sont exclues.

LIMITATION DES DOMMAGES-INTÉRÊTS ET EXCLUSION DE RESPONSABILITÉ POUR LES DOMMAGES. Vous pouvez obtenir de Microsoft et de ses fournisseurs une indemnisation en cas de dommages directs uniquement à hauteur de 5,00 \$ US. Vous ne pouvez prétendre à aucune indemnisation pour les autres dommages, y compris les dommages spéciaux, indirects ou accessoires et pertes de bénéfices. Cette limitation concerne :

toute matière reliée au logiciel, aux services ou au contenu (y compris le code) figurant sur des sites Internet d’une tierce partie ou dans des programmes d’une tierce partie, et

les réclamations au titre de violation de contrat ou de garantie, ou au titre de responsabilité stricte, de négligence ou d’une autre faute dans la limite autorisée par la loi en vigueur.

Elle s’applique également, même si Microsoft connaissait ou devrait connaître l’éventualité d’un tel dommage. Si votre pays n’autorise pas l’exclusion ou la limitation de responsabilité pour les dommages indirects, accessoires ou de quelque nature que ce soit, il se peut que la limitation ou l’exclusion ci-dessus ne s’appliquera pas à votre égard.

EFFET JURIDIQUE. Le présent contrat décrit certains droits juridiques. Vous pourriez avoir d’autres droits prévus par les lois de votre pays. Le présent contrat ne modifie pas les droits que vous confèrent les lois de votre pays si celles-ci ne le permettent pas.

Microsoft Limited Public License v1.1

Microsoft Limited Public License (Ms-LPL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law. A "contribution" is the original software, or any additions or changes to the software. A "contributor" is any person that distributes its contribution under this license. "Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

3. Conditions and Limitations

(A) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(B) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(C) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(D) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(E) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees, or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

4. (F) Platform Limitation- The licenses granted in sections 2(A) & 2(B) extend only to the software or derivative works that you create that run on a Microsoft Windows operating system product.

Read more about this license at <http://www.codeplex.com/clrinterop/license>

MIT License

Copyright (c) 2016-2025 <copyright holder>

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.

Myricom (CSPI) License

Below you will find two (2) software end user license agreements. The first software end user license agreement is entitled "CSPI Software End User License Agreement" and governs your use of the software application that is owned by CSP, Inc. The second software end user license agreement is entitled "Third Party Software End User License Agreement" and governs your use of the software applications owned by third parties that are used with CSP, Inc. software applications.

CSPI Software End User License Agreement

This Software End User License Agreement (this "***Agreement***") is between you as well as any entity on behalf of whom you will be using the software application that you are attempting to download, (the "Software") and CSP, Inc. ("***CSPI***"). As used in this Agreement, "***You***" or "***Your***" collectively mean you and any such entity on behalf of whom you will be using the Software.

IT IS IMPORTANT THAT YOU CAREFULLY READ AND UNDERSTAND THIS AGREEMENT. BY CLICKING THE "I ACCEPT" BUTTON LOCATED AT THE END OF THE THIRD PARTY SOFTWARE END USER LICENSE AGREEMENT, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE WITH ALL THE TERMS OF THIS AGREEMENT AND DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE CLICK THE "I DO NOT ACCEPT" BUTTON. ALSO, IF YOU DO NOT HAVE AUTHORITY TO BIND ANY ENTITY ON BEHALF OF WHOM YOU WILL BE USING THE SOFTWARE (AS DEFINED BELOW), PLEASE CLICK THE "I DO NOT ACCEPT" BUTTON. IF YOU DO NOT ACCEPT THIS AGREEMENT, THE SOFTWARE WILL NOT BE DOWNLOADED. *1.* *Grant of License; Restrictions.*

1.1 *Grant of License.* Subject to the terms and conditions of this Agreement, CSPI grants You a limited, non-exclusive, nontransferable, non-sublicensable license to use during the Term the object code form of the Software on a single computer and to use the Documentation provided with the Software in support of Your authorized use of the Software. You may copy and install one copy on Your computer for use only by Your employees, contractors and other agents. You may also make a reasonable number of copies of the Software for back-up and archival purposes.

1.2 *Restrictions.* You may not (and You agree not to permit another person to): (a) distribute, rent, lease, sell, sublicense, assign, or otherwise transfer or copy the Software or use the Software (or any portion thereof) except as expressly permitted in a written agreement between you and CSPI; (b) reverse engineer, decompile, disassemble or otherwise reduce the Software to a human-readable form or attempt to reconstruct or discover any source code, underlying ideas, algorithms, file formats or programming interfaces of the Software, except to the extent that this restriction is expressly prohibited by applicable law and then only with prior written notice to CSPI; (c) modify, translate or create derivative works based on or using the Software or any component thereof, except to the extent expressly authorized in writing by CSPI; (d) remove any copyright or other proprietary notices contained in or relating to the Software and/or any of its components; or (e) create any other software that incorporates the Software, except to the extent expressly authorized in writing by CSPI. WITHOUT LIMITING THE FOREGOING, COPYING THE SOFTWARE AND/OR ANY COMPONENT THEREOF TO ANY OTHER SERVER OR LOCATION FOR FURTHER REPRODUCTION OR REDISTRIBUTION IS EXPRESSLY PROHIBITED. No right, title or interest in or to any trademark, service mark, logo or trade name of CSPI or its licensors, suppliers or affiliates is granted under this Agreement.

1.3 Field of Use Restrictions. Your use of the Software is limited to use of the Software and the underlying hardware in the allowed "Fields of Use" listed below. You are not licensed to use the Software outside of the Field of Use.

The Fields of Use are the following:

- Use in specific end-user applications or by approved customers as specified by CSPI;
- Financial Trading;
- Cybersecurity;
- Video Streaming;
- Video Editing/Content Creation;
- Machine Vision; and
- Virtualization.

Data center applications are specifically excluded from the Field of Use, except data centers used primarily for one of the fields enumerated above.

2. *No High Risk Activities. The Software is not fault-tolerant and is not designed or intended for any use requiring fail-safe performance in which the failure of the Software could lead to death, serious personal injury or severe physical and environmental damage (collectively, "***High Risk Activities***"), such as the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, weapons systems and/or direct life-support machines. CSPI EXPRESSLY DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR HIGH RISK ACTIVITIES.

3. *Ownership. CSPI does not transfer title to the Software to You; this license shall not be considered a "sale" of the Software. You agree that the Software belongs to CSPI, including all intellectual and proprietary rights, unless otherwise specified. CSPI and its suppliers retain all right, title and interest in and to the Software at all times, and regardless of the form or media in or on which the original or other copies may subsequently exist. All other rights are reserved to CSPI except as expressly provided herein.

4. *Termination and Effect of Termination.

4.1 *Termination. CSPI may terminate this license, upon notice, if you materially breach any restriction contained in this License Agreement and do not cure such breach within ten days of notice from CSPI. Termination is not an exclusive remedy and the exercise by either party of any remedy under this Agreement will be without prejudice to any other remedies it may have under this Agreement, by law, or otherwise.

4.2 *Effect of Termination. Upon any expiration or termination of this Agreement as it relates to the Software, You shall cease any and all use of the Software and destroy all copies thereof and so certify to CSPI in writing. Sections 2 (No High Risk Activities), 3 (Ownership), 4.2 (Effect of Termination), 5 (No Warranty; Disclaimer), 6 (Exclusion of Incidental, Consequential, and Certain Other Damages), 7 (Limitation of Liability and Remedies), 8 (Audit Rights) and 9 (Export Administration) shall survive any termination or expiration of this Agreement.

5. *No Warranty; Disclaimer. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CSPI AND ITS LICENSORS AND SUPPLIERS PROVIDE THE SOFTWARE "AS IS" AND HEREBY DISCLAIM ALL WARRANTIES, EITHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY, OR ARISING OUT OF USE OR PERFORMANCE, OF THE SOFTWARE, REMAINS WITH YOU. ***6.***

Exclusion of Incidental, Consequential, and Certain Other Damages. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL CSPI OR ITS LICENSORS, SUPPLIERS OR AFFILIATES BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS,) ARISING OUT OF OR IN ANY WAY RELATED TO THE USE OF OR INABILITY TO USE THE SOFTWARE, OR OTHERWISE UNDER OR IN CONNECTION WITH ANY PROVISION OF THIS AGREEMENT, EVEN IN THE EVENT OF THE FAULT, TORT (INCLUDING NEGLIGENCE) OR STRICT LIABILITY, ANDEVEN IF CSPI OR ANY OF ITS AFFILIATES HAS BEEN ADVISED OF OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES.

7. *Limitation of Liability and Remedies. THE ENTIRE LIABILITY OF CSPI AND ANY OF ITS LICENSORS, SUPPLIERS AND AFFILIATES UNDER ANY PROVISION OF THIS AGREEMENT AND YOUR EXCLUSIVE REMEDY FOR ALL OF THE FOREGOING SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE SOFTWARE. THE FOREGOING LIMITATIONS, EXCLUSIONS AND DISCLAIMERS SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE.

8. *Audit Rights*.** Upon CSPI's written request, You shall certify in a signed writing that Your use of the Software is in full compliance with the terms of this Agreement (including any copy, user and Fields of Use limitations). ***9. *Export Administration*.** You will comply fully with all relevant export laws and regulations of the United States, including, without limitation, the U.S. Export Administration Regulations (collectively "Export Controls***"). Without limiting the generality of the foregoing, You will not, and You will require Your representatives not to, export, direct or transfer the Software, or any direct product thereof, to any destination, person or entity restricted or prohibited by the Export Controls. You warrant that it is not located in, under the control of, or a national or resident of any country which is subject to export restrictions of the United States or on any United States prohibited party list. The Software is further restricted from being used for the design or development of nuclear, chemical, or biological weapons or missile technology, or for terrorist activity, without the prior permission of the United States.

***10. *U.S. Government Rights*.** If You are, or are entering into this Agreement on behalf of, any agency or instrumentality of the United States Government, the Software is "commercial computer software" and "commercial computer software documentation," and pursuant to FAR 12.212 or DFARS 227.7202, and their successors, as applicable, use, reproduction, and disclosure of the

Software are governed by the terms of this Agreement and prohibited except to the extent expressly permitted by the terms and conditions of this Agreement.

11.* *Miscellaneous. This Agreement is governed by and construed in accordance with the laws of the Commonwealth of Massachusetts, United States of America, without regards to its principles of conflicts of law. You agree to submit to the exclusive jurisdiction of any State or Federal court located in Boston Massachusetts, and waive any jurisdictional, venue or inconvenient forum objections to such courts. If any provision of this Agreement is found to be unlawful, void or for any reason unenforceable, then that provision shall be deemed severable from this Agreement and shall not affect the validity and enforceability of any remaining provisions. This is the entire Agreement between us relating to the subject matter herein and supersedes any and all prior or contemporaneous written or oral Agreements between us with respect to such subject matter. This Agreement is not assignable, transferable or sublicenseable by You except with CSPI's prior written consent. No waiver by either party of any breach or default hereunder shall be deemed to be a waiver of any preceding or subsequent breach or default. Any heading, caption or section title contained in this Agreement is inserted only as a matter of convenience and in no way defines or explains any section or provision hereof. The prevailing party in any action to enforce this Agreement will be entitled to recover its attorneys' fees and costs in connection with such action. Any notice or report hereunder shall be in writing to the notice address set forth above and shall be deemed given: (a) upon receipt if by personal delivery; (b) upon receipt if sent by certified or registered mail (return receipt requested); or (c) one day after it is sent if by next day delivery by a major commercial delivery service. The parties to this Agreement are independent contractors. There is no relationship of partnership, joint venture, employment, franchise or agency created hereby between the parties. Neither party will have the power to bind the other or incur obligations on the other party's behalf without the other party's prior written consent.

/[End of CSPI Software End User License Agreement]/

Third Party Software End User License Agreement

This Software End User License Agreement (this **"*Agreement*"**) is between you as well as any entity on behalf of whom you will be using the Third Party Software (as defined below) and CSP, Inc. (**"*CSPI*"**). As used in this Agreement, **"*You*"** or **"*Your*"** collectively mean you and any such entity on behalf of whom you will be using the Third Party Software.

IT IS IMPORTANT THAT YOU CAREFULLY READ AND UNDERSTAND THIS AGREEMENT. BY CLICKING THE "I ACCEPT" BUTTON LOCATED AT THE END OF THIS AGREEMENT, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE WITH ALL THE TERMS OF THIS AGREEMENT AND DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE CLICK THE "I DO NOT ACCEPT" BUTTON. ALSO, IF YOU DO NOT HAVE AUTHORITY TO BIND ANY ENTITY ON BEHALF OF WHOM YOU WILL BE USING THE THIRD PARTY SOFTWARE (AS DEFINED BELOW), PLEASE CLICK THE "I DO NOT ACCEPT" BUTTON. IF YOU DO NOT ACCEPT THIS AGREEMENT, THE THIRD PARTY SOFTWARE WILL NOT BE DOWNLOADED.

***1. *"*Third Party Software*" collectively means the following third party software products: zlib compression library; libpcap; netlink; and PTPv2d.**

2. *zlib compression library.The terms and conditions of this Section 2 apply to Your use of the Third Party Software program entitled "zlib compression library."

Copyright notice: (C) 1995-1996 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

gzip@prep.ai.mit.edu, 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.

*3. **libpcap**. The terms and conditions of this Section 3 apply to Your use of the Third Party Software program entitled "libpcap." Copyright (c) 1993-1997 The Regents of the University of California 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 Regents of the University of California nor the names of its contributors may be used to endorse or promote products derived from libpcap without specific prior written permission.

LIBPCAP IS PROVIDED BY THE COPYRIGHT HOLDER 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 ABOVE 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 LIBPCAP, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

*4. **netlink**. The terms and conditions of Version 2.1 of the GNU Lesser General Public License apply to Your use of the "netlink" code. The terms and conditions of Version 2.1 of the GNU Lesser General Public License may be found at <http://www.gnu.org/licenses/lgpl-2.1.html>.

*5. **PTPv2d**. The terms and conditions of this Section 5 apply to Your use of the Third Party Software program entitled "PTPv2d." The following copyright notice applies to all files which compose the PTPd. This notice applies as if the text was explicitly included each file.

Copyright (c) 2005-2007 Kendall Correll

Permission is hereby granted to use, copy, modify, and distribute this software for any purpose and without fee, provided that this notice appears in all copies. The authors make no representations about the suitability of this software for any purpose. This software is provided "as is" without express or implied warranty.

Begin additional copyright and licensing information, do not remove

This file (ptpd.h) contains Modifications (updates, corrections, comments and addition of initial support for IEEE 1588 version 1, IEEE version 2 and IEEE 802.1AS PTP) and other features by Alan K. Bartky.

Modifications Copyright (c) 2007-2010 by Alan K. Bartky, all rights reserved.

These modifications and their associated software algorithms are under copyright and for this file are licensed 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 file and/or data from this file is copyrighted and is provided under a software license.

This notice is to be included in all derivative works.

For copyright and alternate licensing information contact:

Alan K. Bartky

email: alan@bartky.net

Web: <http://www.bartky.net> <<http://www.bartky.net/>>

End Alan K. Bartky additional copyright notice: Do not remove

/[End of Third Party Software End User License Agreement]/

BY CLICKING ON THE "I ACCEPT" BUTTON BELOW, YOU ACKNOWLEDGE THAT (1) YOU HAVE CAREFULLY READ AND REVIEWED THE TERMS AND CONDITIONS OF BOTH THE CSPI SOFTWARE END USER LICENSE AGREEMENT AND THIRD PARTY SOFTWARE END USER LICENSE AGREEMENT IN THEIR ENTIRETY, (2) YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF BOTH OF THESE AGREEMENTS, (3) THE INDIVIDUAL SO CLICKING HAS THE POWER, AUTHORITY AND LEGAL RIGHT TO ENTER INTO BOTH OF THESE AGREEMENTS ON BEHALF OF ANY ENTITY FOR WHOM YOU WILL BE USING THE SOFTWARE LICENSED THEREUNDER AND, (4) BY SO CLICKING, YOU AGREE THAT BOTH OF THESE AGREEMENTS ARE BINDING AND ENFORCEABLE AGAINST YOU AND ANY ENTITY FOR WHOM YOU WILL BE USING THE SOFTWARE LICENSED THEREUNDER.

License Agreement for NVIDIA Software Development Kits

1. License Agreement for NVIDIA Software Development Kits

Important Notice—Read before downloading, installing, copying or using the licensed software:

This license agreement, including exhibits attached (“Agreement”) is a legal agreement between you and NVIDIA Corporation (“NVIDIA”) and governs your use of a NVIDIA software development kit (“SDK”).

Each SDK has its own set of software and materials, but here is a description of the types of items that may be included in a SDK: source code, header files, APIs, data sets and assets (examples include images, textures, models, scenes, videos, native API input/output files), binary software, sample code, libraries, utility programs, programming code and documentation.

This Agreement can be accepted only by an adult of legal age of majority in the country in which the SDK is used.

If you are entering into this Agreement on behalf of a company or other legal entity, you represent that you have the legal authority to bind the entity to this Agreement, in which case “you” will mean the entity you represent.

If you don’t have the required age or authority to accept this Agreement, or if you don’t accept all the terms and conditions of this Agreement, do not download, install or use the SDK.

You agree to use the SDK only for purposes that are permitted by (a) this Agreement, and (b) any applicable law, regulation or generally accepted practices or guidelines in the relevant jurisdictions.

1.1. License

1.1.1. License Grant

Subject to the terms of this Agreement, NVIDIA hereby grants you a non-exclusive, non-transferable license, without the right to sublicense (except as expressly provided in this Agreement) to:

Install and use the SDK,

Modify and create derivative works of sample source code delivered in the SDK, and

Distribute those portions of the SDK that are identified in this Agreement as distributable, as incorporated in object code format into a software application that meets the distribution requirements indicated in this Agreement.

1.1.2. Distribution Requirements

These are the distribution requirements for you to exercise the distribution grant:

Your application must have material additional functionality, beyond the included portions of the SDK.

The distributable portions of the SDK shall only be accessed by your application.

The following notice shall be included in modifications and derivative works of sample source code distributed: “This software contains source code provided by NVIDIA Corporation.”

Unless a developer tool is identified in this Agreement as distributable, it is delivered for your internal use only.

The terms under which you distribute your application must be consistent with the terms of this Agreement, including (without limitation) terms relating to the license grant and license restrictions and protection of NVIDIA’s intellectual property rights. Additionally, you agree that you will protect the privacy, security and legal rights of your application users.

You agree to notify NVIDIA in writing of any known or suspected distribution or use of the SDK not in compliance with the requirements of this Agreement, and to enforce the terms of your agreements with respect to distributed SDK.

1.1.3. Authorized Users

You may allow employees and contractors of your entity or of your subsidiary(ies) to access and use the SDK from your secure network to perform work on your behalf.

If you are an academic institution you may allow users enrolled or employed by the academic institution to access and use the SDK from your secure network.

You are responsible for the compliance with the terms of this Agreement by your authorized users. If you become aware that your authorized users didn't follow the terms of this Agreement, you agree to take reasonable steps to resolve the non-compliance and prevent new occurrences.

1.1.4. Pre-Release SDK

The SDK versions identified as alpha, beta, preview or otherwise as pre-release, may not be fully functional, may contain errors or design flaws, and may have reduced or different security, privacy, accessibility, availability, and reliability standards relative to commercial versions of NVIDIA software and materials. Use of a pre-release SDK may result in unexpected results, loss of data, project delays or other unpredictable damage or loss.

You may use a pre-release SDK at your own risk, understanding that pre-release SDKs are not intended for use in production or business-critical systems.

NVIDIA may choose not to make available a commercial version of any pre-release SDK. NVIDIA may also choose to abandon development and terminate the availability of a pre-release SDK at any time without liability.

1.1.5. Updates

NVIDIA may, at its option, make available patches, workarounds or other updates to this SDK. Unless the updates are provided with their separate governing terms, they are deemed part of the SDK licensed to you as provided in this Agreement. You agree that the form and content of the SDK that NVIDIA provides may change without prior notice to you. While NVIDIA generally maintains compatibility between versions, NVIDIA may in some cases make changes that introduce incompatibilities in future versions of the SDK.

1.1.6. Components Under Other Licenses

The SDK may come bundled with, or otherwise include or be distributed with, NVIDIA or third-party components with separate legal notices or terms as may be described in proprietary notices accompanying the SDK. If and to the extent there is a conflict between the terms in this Agreement and the license terms associated with the component, the license terms associated with the components control only to the extent necessary to resolve the conflict.

Subject to the other terms of this Agreement, you may use the SDK to develop and test applications released under Open Source Initiative (OSI) approved open source software licenses.

1.1.7. Reservation of Rights

NVIDIA reserves all rights, title, and interest in and to the SDK, not expressly granted to you under this Agreement.

1.2. Limitations

The following license limitations apply to your use of the SDK:

You may not reverse engineer, decompile or disassemble, or remove copyright or other proprietary notices from any portion of the SDK or copies of the SDK.

Except as expressly provided in this Agreement, you may not copy, sell, rent, sublicense, transfer, distribute, modify, or create derivative works of any portion of the SDK. For clarity, you may not distribute or sublicense the SDK as a stand-alone product.

Unless you have an agreement with NVIDIA for this purpose, you may not indicate that an application created with the SDK is sponsored or endorsed by NVIDIA.

You may not bypass, disable, or circumvent any encryption, security, digital rights management or authentication mechanism in the SDK.

You may not use the SDK in any manner that would cause it to become subject to an open source software license. As examples, licenses that require as a condition of use, modification, and/or distribution that the SDK be:

Disclosed or distributed in source code form;

Licensed for the purpose of making derivative works; or

Redistributable at no charge.

You acknowledge that the SDK as delivered is not tested or certified by NVIDIA for use in connection with the design, construction, maintenance, and/or operation of any system where the use or failure of such system could result in a situation that threatens the safety of human life or results in catastrophic damages (each, a "Critical Application"). Examples of Critical Applications include use in

avionics, navigation, autonomous vehicle applications, ai solutions for automotive products, military, medical, life support or other life critical applications. NVIDIA shall not be liable to you or any third party, in whole or in part, for any claims or damages arising from such uses. You are solely responsible for ensuring that any product or service developed with the SDK as a whole includes sufficient features to comply with all applicable legal and regulatory standards and requirements.

You agree to defend, indemnify and hold harmless NVIDIA and its affiliates, and their respective employees, contractors, agents, officers and directors, from and against any and all claims, damages, obligations, losses, liabilities, costs or debt, fines, restitutions and expenses (including but not limited to attorney's fees and costs incident to establishing the right of indemnification) arising out of or related to products or services that use the SDK in or for Critical Applications, and for use of the SDK outside of the scope of this Agreement or not in compliance with its terms.

You may not reverse engineer, decompile or disassemble any portion of the output generated using SDK elements for the purpose of translating such output artifacts to target a non-NVIDIA platform.

1.3. Ownership

NVIDIA or its licensors hold all rights, title and interest in and to the SDK and its modifications and derivative works, including their respective intellectual property rights, subject to your rights under Section 1.3.2. This SDK may include software and materials from NVIDIA's licensors, and these licensors are intended third party beneficiaries that may enforce this Agreement with respect to their intellectual property rights.

You hold all rights, title and interest in and to your applications and your derivative works of the sample source code delivered in the SDK, including their respective intellectual property rights, subject to NVIDIA's rights under Section 1.3.1.

You may, but don't have to, provide to NVIDIA suggestions, feature requests or other feedback regarding the SDK, including possible enhancements or modifications to the SDK. For any feedback that you voluntarily provide, you hereby grant NVIDIA and its affiliates a perpetual, non-exclusive, worldwide, irrevocable license to use, reproduce, modify, license, sublicense (through multiple tiers of sublicensees), and distribute (through multiple tiers of distributors) it without the payment of any royalties or fees to you. NVIDIA will use feedback at its choice. NVIDIA is constantly looking for ways to improve its products, so you may send feedback to NVIDIA through the developer portal at <https://developer.nvidia.com>.

1.4. No Warranties

THE SDK IS PROVIDED BY NVIDIA "AS IS" AND "WITH ALL FAULTS." TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES EXPRESSLY DISCLAIM ALL WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. NO WARRANTY IS MADE ON THE BASIS OF TRADE USAGE, COURSE OF DEALING OR COURSE OF TRADE.

1.5. Limitation of Liability

TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR ANY LOST PROFITS, LOSS OF USE, LOSS OF DATA OR LOSS OF GOODWILL, OR THE COSTS OF PROCURING SUBSTITUTE PRODUCTS, ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE USE OR PERFORMANCE OF THE SDK, WHETHER SUCH LIABILITY ARISES FROM ANY CLAIM BASED UPON BREACH OF CONTRACT, BREACH OF WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR ANY OTHER CAUSE OF ACTION OR THEORY OF LIABILITY. IN NO EVENT WILL NVIDIA'S AND ITS AFFILIATES TOTAL CUMULATIVE LIABILITY UNDER OR ARISING OUT OF THIS AGREEMENT EXCEED US\$10.00. THE NATURE OF THE LIABILITY OR THE NUMBER OF CLAIMS OR SUITS SHALL NOT ENLARGE OR EXTEND THIS LIMIT.

These exclusions and limitations of liability shall apply regardless if NVIDIA or its affiliates have been advised of the possibility of such damages, and regardless of whether a remedy fails its essential purpose. These exclusions and limitations of liability form an essential basis of the bargain between the parties, and, absent any of these exclusions or limitations of liability, the provisions of this Agreement, including, without limitation, the economic terms, would be substantially different.

1.6. Termination

This Agreement will continue to apply until terminated by either you or NVIDIA as described below.

If you want to terminate this Agreement, you may do so by stopping to use the SDK.

NVIDIA may, at any time, terminate this Agreement if:

- (i) you fail to comply with any term of this Agreement and the non-compliance is not fixed within thirty (30) days following notice from NVIDIA (or immediately if you violate NVIDIA's intellectual property rights);
- (ii) you commence or participate in any legal proceeding against NVIDIA with respect to the SDK; or
- (iii) NVIDIA decides to no longer provide the SDK in a country or, in NVIDIA's sole discretion, the continued use of it is no longer commercially viable.

Upon any termination of this Agreement, you agree to promptly discontinue use of the SDK and destroy all copies in your possession or control. Your prior distributions in accordance with this Agreement are not affected by the termination of this Agreement. Upon written request, you will certify in writing that you have complied with your commitments under this section. Upon any termination of this Agreement all provisions survive except for the license grant provisions.

1.7. General

If you wish to assign this Agreement or your rights and obligations, including by merger, consolidation, dissolution or operation of law, contact NVIDIA to ask for permission. Any attempted assignment not approved by NVIDIA in writing shall be void and of no effect. NVIDIA may assign, delegate or transfer this Agreement and its rights and obligations, and if to a non-affiliate you will be notified.

You agree to cooperate with NVIDIA and provide reasonably requested information to verify your compliance with this Agreement.

This Agreement will be governed in all respects by the laws of the United States and of the State of Delaware as those laws are applied to contracts entered into and performed entirely within Delaware by Delaware residents, without regard to the conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is specifically disclaimed. You agree to all terms of this Agreement in the English language.

The state or federal courts residing in Santa Clara County, California shall have exclusive jurisdiction over any dispute or claim arising out of this Agreement. Notwithstanding this, you agree that NVIDIA shall still be allowed to apply for injunctive remedies or an equivalent type of urgent legal relief in any jurisdiction.

If any court of competent jurisdiction determines that any provision of this Agreement is illegal, invalid or unenforceable, such provision will be construed as limited to the extent necessary to be consistent with and fully enforceable under the law and the remaining provisions will remain in full force and effect. Unless otherwise specified, remedies are cumulative.

Each party acknowledges and agrees that the other is an independent contractor in the performance of this Agreement.

The SDK has been developed entirely at private expense and is "commercial items" consisting of "commercial computer software" and "commercial computer software documentation" provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the U.S. Government or a U.S. Government subcontractor is subject to the restrictions in this Agreement pursuant to DFARS 227.7202-3(a) or as set forth in subparagraphs (c)(1) and (2) of the Commercial Computer Software - Restricted Rights clause at FAR 52.227-19, as applicable. Contractor/manufacturer is NVIDIA, 2788 San Tomas Expressway, Santa Clara, CA 95051.

The SDK is subject to United States export laws and regulations. You agree that you will not ship, transfer or export the SDK into any country, or use the SDK in any manner, prohibited by the United States Bureau of Industry and Security or economic sanctions regulations administered by the U.S. Department of Treasury's Office of Foreign Assets Control (OFAC), or any applicable export laws, restrictions or regulations. These laws include restrictions on destinations, end users and end use. By accepting this Agreement, you confirm that you are not a resident or citizen of any country currently embargoed by the U.S. and that you are not otherwise prohibited from receiving the SDK.

Any notice delivered by NVIDIA to you under this Agreement will be delivered via mail, email or fax. You agree that any notices that NVIDIA sends you electronically will satisfy any legal communication requirements. Please direct your legal notices or other correspondence to NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051, United States of America, Attention: Legal Department.

This Agreement and any exhibits incorporated into this Agreement constitute the entire agreement of the parties with respect to the subject matter of this Agreement and supersede all prior negotiations or documentation exchanged between the parties relating to this SDK license. Any additional and/or conflicting terms on documents issued by you are null, void, and invalid. Any amendment or waiver under this Agreement shall be in writing and signed by representatives of both parties.

2. CUDA Toolkit Supplement to Software License Agreement for NVIDIA Software Development Kits

The terms in this supplement govern your use of the NVIDIA CUDA Toolkit SDK under the terms of your license agreement ("Agreement") as modified by this supplement. Capitalized terms used but not defined below have the meaning assigned to them in the Agreement.

This supplement is an exhibit to the Agreement and is incorporated as an integral part of the Agreement. In the event of conflict between the terms in this supplement and the terms in the Agreement, the terms in this supplement govern.

2.1. License Scope

The SDK is licensed for you to develop applications only for use in systems with NVIDIA GPUs.

2.2. Distribution

The portions of the SDK that are distributable under the Agreement are listed in Attachment A.

2.3. Operating Systems

Those portions of the SDK designed exclusively for use on the Linux or FreeBSD operating systems, or other operating systems derived from the source code to these operating systems, may be copied and redistributed for use in accordance with this Agreement, provided that the object code files are not modified in any way (except for unzipping of compressed files).

2.4. Audio and Video Encoders and Decoders

You acknowledge and agree that it is your sole responsibility to obtain any additional third-party licenses required to make, have made, use, have used, sell, import, and offer for sale your products or services that include or incorporate any third-party software and content relating to audio and/or video encoders and decoders from, including but not limited to, Microsoft, Thomson, Fraunhofer IIS, Sisvel S.p.A., MPEG-LA, and Coding Technologies. NVIDIA does not grant to you under this Agreement any necessary patent or other rights with respect to any audio and/or video encoders and decoders.

2.5. Licensing

If the distribution terms in this Agreement are not suitable for your organization, or for any questions regarding this Agreement, please contact NVIDIA at nvidia-compute-license-questions@nvidia.com.

2.6. Attachment A

The following CUDA Toolkit files may be distributed with Licensee Applications developed by you, including certain variations of these files that have version number or architecture specific information embedded in the file name - as an example only, for release version 9.0 of the 64-bit Windows software, the file `cuda64_90.dll` is redistributable.

Component : CUDA Runtime

Windows : `cuda.dll`, `cuda_static.lib`, `cudadevrt.lib`

Mac OSX : `libcudart.dylib`, `libcudart_static.a`, `libcudadevrt.a`

Linux : `libcudart.so`, `libcudart_static.a`, `libcudadevrt.a`

Android : `libcudart.so`, `libcudart_static.a`, `libcudadevrt.a`

Component : CUDA FFT Library

Windows : `cufft.dll`, `cufftw.dll`

Mac OSX : `libcufft.dylib`, `libcufft_static.a`, `libcufftw.dylib`,
`libcufftw_static.a`

Linux : `libcufft.so`, `libcufft_static.a`, `libcufftw.so`, `libcufftw_static.a`

Android : `libcufft.so`, `libcufft_static.a`, `libcufftw.so`, `libcufftw_static.a`

Component : CUDA BLAS Library

Windows : `cublas.dll`, `cublas_device.lib`

Mac OSX : `libcublas.dylib`, `libcublas_static.a`, `libcublas_device.a`

Linux : `libcublas.so`, `libcublas_static.a`, `libcublas_device.a`

Android : `libcublas.so`, `libcublas_static.a`, `libcublas_device.a`

Component : NVIDIA "Drop-in" BLAS Library

Windows : `nvblas.dll`

Mac OSX : libnvblas.dylib
Linux : libnvblas.so
Component : CUDA Sparse Matrix Library
Windows : cusparse.dll
Mac OSX : libcusparse.dylib, libcusparse_static.a
Linux : libcusparse.so, libcusparse_static.a
Android : libcusparse.so, libcusparse_static.a
Component : CUDA Linear Solver Library
Windows : cusolver.dll
Mac OSX : libcusolver.dylib, libcusolver_static.a
Linux : libcusolver.so, libcusolver_static.a
Android : libcusolver.so, libcusolver_static.a
Component : CUDA Random Number Generation Library
Windows : curand.dll
Mac OSX : libcurand.dylib, libcurand_static.a
Linux : libcurand.so, libcurand_static.a
Android : libcurand.so, libcurand_static.a
Component : NVIDIA Performance Primitives Library
Windows : nppc.dll, nppl.dll, npps.dll
Mac OSX : libnppc.dylib, libnppl.dylib, libnpps.dylib, libnppc_static.a,
libnpps_static.a, libnppl_static.a
Linux : libnppc.so, libnppl.so, libnpps.so, libnppc_static.a,
libnpps_static.a, libnppl_static.a
Android : libnppc.so, libnppl.so, libnpps.so, libnppc_static.a,
libnpps_static.a, libnppl_static.a
Component : Internal common library required for statically linking to cuBLAS,
cuSPARSE, cuFFT, cuRAND and NPP
Mac OSX : libculibos.a
Linux : libculibos.a
Component : NVIDIA Runtime Compilation Library
Windows : nvrtc.dll, nvrtc-builtins.dll
Mac OSX : libnvrtc.dylib, libnvrtc-builtins.dylib
Linux : libnvrtc.so, libnvrtc-builtins.so
Component : NVIDIA Optimizing Compiler Library
Windows : nvvm.dll
Mac OSX : libnvvm.dylib
Linux : libnvvm.so
Component : NVIDIA Common Device Math Functions Library
Windows : libdevice.compute_20.bc, libdevice.compute_30.bc,
libdevice.compute_35.bc
Mac OSX : libdevice.compute_20.bc, libdevice.compute_30.bc,

libdevice.compute_35.bc

The NVIDIA CUDA Driver Libraries are only distributable in applications that meet this criteria:

The application was developed starting from a NVIDIA CUDA container obtained from Docker Hub or the NVIDIA GPU Cloud, and

The resulting application is packaged as a Docker container and distributed to users on Docker Hub or the NVIDIA GPU Cloud only.

In addition to the rights above, for parties that are developing software intended solely for use on Jetson development kits or Jetson modules, and running Linux for Tegra software, the following shall apply:

The SDK may be distributed in its entirety, as provided by NVIDIA, and without separation of its components, for you and/or your licensees to create software development kits for use only on the Jetson platform and running Linux for Tegra software.

2.7. Attachment B

Additional Licensing Obligations

The following third party components included in the SOFTWARE are licensed to Licensee pursuant to the following terms and conditions:

Licensee's use of the GDB third party component is subject to the terms and conditions of GNU GPL v3:

This product includes copyrighted third-party software licensed

under the terms of the GNU General Public License v3 ("GPL v3").

All third-party software packages are copyright by their respective authors. GPL v3 terms and conditions are hereby incorporated into the Agreement by this reference: <http://www.gnu.org/licenses/gpl.txt>

Consistent with these licensing requirements, the software listed below is provided under the terms of the specified open source software licenses. To obtain source code for software provided under licenses that require redistribution of source code, including the GNU General Public License (GPL) and GNU Lesser General Public License (LGPL), contact oss-requests@nvidia.com. This offer is valid for a period of three (3) years from the date of the distribution of this product by NVIDIA CORPORATION.

Component License

CUDA-GDB GPL v3

Licensee represents and warrants that any and all third party licensing and/or royalty payment obligations in connection with Licensee's use of the H.264 video codecs are solely the responsibility of Licensee.

Licensee's use of the Thrust library is subject to the terms and conditions of the Apache License Version 2.0. All third-party software packages are copyright by their respective authors. Apache License Version 2.0 terms and conditions are hereby incorporated into the Agreement by this reference. <http://www.apache.org/licenses/LICENSE-2.0.html>

In addition, Licensee acknowledges the following notice: Thrust includes source code from the Boost Iterator, Tuple, System, and Random Number libraries.

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.

Licensee's use of the LLVM third party component is subject to the following terms and conditions:

=====

LLVM Release License

=====

University of Illinois/NCSA

Open Source License

Copyright (c) 2003-2010 University of Illinois at Urbana-Champaign.

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with 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:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

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 CONTRIBUTORS 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 WITH THE SOFTWARE.

Licensee's use of the PCRE third party component is subject to the following terms and conditions:

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. Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

University of Cambridge Computing Service,

Cambridge, England.

Copyright (c) 1997-2012 University of Cambridge

All rights reserved.

8/6/2025

Copyright © 2016-2025

FLIR Integrated Imaging Solutions Inc. All rights reserved.

Spinnaker SDK Open Source Licenses

For referenced source code, please contact [Support](#)

PCRE JUST-IN-TIME COMPILATION SUPPORT

Written by: Zoltan Herczeg

Email local part: hzmester

Email domain: freemail.hu

Copyright(c) 2010-2012 Zoltan Herczeg

All rights reserved.

STACK-LESS JUST-IN-TIME COMPILER

Written by: Zoltan Herczeg

Email local part: hzmester

Email domain: freemail.hu

Copyright(c) 2009-2012 Zoltan Herczeg

All rights reserved.

THE C++ WRAPPER FUNCTIONS

Contributed by: Google Inc.

Copyright (c) 2007-2012, Google Inc.

All rights reserved.

THE "BSD" LICENCE

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 University of Cambridge nor the name of Google Inc. nor the names of their 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.

Some of the cuBLAS library routines were written by or derived from code written by Vasily Volkov and are subject to the Modified Berkeley Software Distribution License as follows:

Copyright (c) 2007-2009, Regents of the University of California

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 University of California, Berkeley 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 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.

Some of the cuBLAS library routines were written by or derived from code written by Davide Barbieri and are subject to the Modified Berkeley Software Distribution License as follows:

Copyright (c) 2008-2009 Davide Barbieri @ University of Rome Tor Vergata.

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 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.

Some of the cuBLAS library routines were derived from code developed by the University of Tennessee and are subject to the Modified Berkeley Software Distribution License as follows:

Copyright (c) 2010 The University of Tennessee.

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 listed in this license in the documentation and/or other materials provided with the distribution.

* Neither the name of the copyright holders 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.

Some of the cuBLAS library routines were written by or derived from code written by Jonathan Hogg and are subject to the Modified Berkeley Software Distribution License as follows:

Copyright (c) 2012, The Science and Technology Facilities Council (STFC).

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 STFC 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 STFC 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.

Some of the cuBLAS library routines were written by or derived from code written by Ahmad M. Abdelfattah, David Keyes, and Hatem Ltaief, and are subject to the Apache License, Version 2.0, as follows:

-- (C) Copyright 2013 King Abdullah University of Science and Technology

Authors:

Ahmad Abdelfattah (ahmad.ahmad@kaust.edu.sa)

David Keyes (david.keyes@kaust.edu.sa)

Hatem Ltaief (hatem.ltaief@kaust.edu.sa)

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 King Abdullah University of Science and Technology 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

Some of the cuSPARSE library routines were written by or derived from code written by Li-Wen Chang and are subject to the NCSA Open Source License as follows:

Copyright (c) 2012, University of Illinois.

All rights reserved.

Developed by: IMPACT Group, University of Illinois, <http://impact.crhc.illinois.edu>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with 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:

- * 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 disclaimers in the documentation and/or other materials provided with the distribution.
- * Neither the names of IMPACT Group, University of Illinois, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

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 CONTRIBUTORS 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 WITH THE SOFTWARE.

Some of the cuRAND library routines were written by or derived from code written by Mutsuo Saito and Makoto Matsumoto and are subject to the following license:

Copyright (c) 2009, 2010 Mutsuo Saito, Makoto Matsumoto and Hiroshima University. All rights reserved.

Copyright (c) 2011 Mutsuo Saito, Makoto Matsumoto, Hiroshima University and University of Tokyo. 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 Hiroshima 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 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.

Some of the cuRAND library routines were derived from code developed by D. E. Shaw Research and are subject to the following license:

Copyright 2010-2011, D. E. Shaw Research.
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 D. E. Shaw Research 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.

Some of the Math library routines were written by or derived from code developed by Norbert Juffa and are subject to the following license:

Copyright (c) 2015-2017, Norbert Juffa

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.

Licensee's use of the lz4 third party component is subject to the following terms and conditions:

Copyright (C) 2011-2013, Yann Collet.

BSD 2-Clause License (<http://www.opensource.org/licenses/bsd-license.php>)

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.

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.

The NPP library uses code from the Boost Math Toolkit, and is subject to the following license:

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.

Portions of the Nsight Eclipse Edition is subject to the following license:

The Eclipse Foundation makes available all content in this plug-in ("Content"). Unless otherwise indicated below, the Content is provided to you under the terms and conditions of the Eclipse Public License Version 1.0 ("EPL"). A copy of the EPL is available at <http://www.eclipse.org/legal/epl-v10.html>. For purposes of the EPL, "Program" will mean the Content. If you did not receive this Content directly from the Eclipse Foundation, the Content is being redistributed by another party ("Redistributor") and different terms and conditions may apply to your use of any object code in the Content. Check the Redistributor's license that was provided with the Content. If no such license exists, contact the Redistributor. Unless otherwise indicated below, the terms and conditions of the EPL still apply to any source code in the Content and such source code may be obtained at <http://www.eclipse.org>.

Some of the cuBLAS library routines uses code from OpenAI, which is subject to the following license:

License URL

<https://github.com/openai/openai-gemm/blob/master/LICENSE>

License Text

The MIT License

Copyright (c) 2016 OpenAI (<http://openai.com>), 2016 Google Inc.

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.

Licensee's use of the Visual Studio Setup Configuration Samples is subject to the following license:

The MIT License (MIT)

Copyright (C) Microsoft Corporation. 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.

Licensee's use of linmath.h header for CPU functions for GL vector/matrix operations from lunarG is subject to the Apache License Version 2.0.

The DX12-CUDA sample uses the d3dx12.h header, which is subject to the MIT license .

RSA Message-Digest License

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.

zlib License

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.