

# Software License Statements

Discovery

Smart Assistant System

SAS-M10

This product uses a Linux<sup>1</sup> based operating system based on the Yocto<sup>2</sup> tool chain. As many of the tools within this OS are distributed under the GPL, you can obtain a copy of the tool chain and sources for the firmware image on request under the following address:

Hoya Corporation – Pentax Medical Division

**Digital Endoscopy GmbH**

Paul-Lenz-Str. 5

86316 Friedberg – Germany

[LinuxLicenceInformation@digitalendoscopy.de](mailto:LinuxLicenceInformation@digitalendoscopy.de)

*The proprietary software that runs under this operating system and is not publicly available also uses some external open source projects. The dynamically linked libraries are part of the firmware image you can obtain on request as mentioned above.*

*In detail the following libraries are used:*

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# 1. Statically linked libraries

The following libraries are linked statically into the proprietary software.

## 1.1 Boost

<https://www.boost.org/>

Boost Software License - Version 1.0 - August 17th, 2003

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<http://caffe.berkeleyvision.org/>

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o [freetype-devel@nongnu.org](mailto:freetype-devel@nongnu.org)

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

<https://www.freetype.org>

## 1.4 Libpng

<http://www.libpng.org>

PNG Reference Library License version 2

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<http://rapidjson.org>

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## 1.6 RapidXML

<http://rapidxml.sourceforge.net>

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## 1.7 Sqlite3

<https://sqlite.org>

SQLite is public domain software.

## 1.8 zlib

[www.zlib.net](http://www.zlib.net)

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## 2 Dynamically linked libraries

The following libraries are loading during runtime (dynamically linked)

### 2.1 Advanced Linux Sound Architecture (ALSA)

<https://www.alsa-project.org>

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## 2.2 CUDA Toolkit

<https://developer.nvidia.com/cuda-toolkit>

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The terms of the license for the cuDNN library can be found under <https://docs.nvidia.com/deeplearning/sdk/cudnn-sla/index.html>

## 2.3 gflags

<https://github.com/gflags/gflags>

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## 2.4 glog

<https://github.com/google/glog>

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A function `gettimeofday` in `utilities.cc` is based on

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## 2.6 Mesa 3D Graphics Library

<https://mesa3d.org/>

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<https://opencv.org>

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<https://www.openssl.org>

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## 4.4 The GCC Runtime Library Exception

### GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

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

#### 0. Definitions.

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

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

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

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

#### 1. Grant of Additional Permission.

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