

GEUTEBRÜCK

G-Core
Software Version 7.0

Release Notes

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Dear business partners,

In the course of an update from G-Core to non-Geutebrück hardware, we would like to point out that the following information must be observed and checked!

For regular Windows 10 installations Intel® has changed the driver model to so-called DCH drivers. These are distributed via the Windows Update and are no longer compatible with the Intel® drivers previously used, so-called legacy drivers. The installation of a DCH driver is not reversible.

The new DCH drivers are used with the following Windows versions:

- Windows 10 1709
- Windows 10 1803
- Windows 10 1809
- Windows Server 2019

If a driver with **version 25.20.100.6444** or newer is installed on one of these systems, it is most likely a DCH driver. The exact version can be checked on the Intel® [homepage](#).

The Geutebrück G-Core Installer contains drivers that are installed on all HW platforms known to us. However, these are legacy drivers. If a legacy driver is installed on a system with new drivers, this can cause lasting damage to your system.

Installations that use Geutebrück hardware or a Geutebrück system image are not affected, as Geutebrück uses a Windows Embedded version (Windows 10 1607). This version does not support the Intel® DCH drivers, so the legacy drivers included in the installation can still be used without restrictions.

Why do Geutebrück install drivers?

Specially tested drivers are installed by us to ensure maximum operational reliability and performance on platforms known to us.

How do I proceed with the installation?

Geutebrück has adapted the G-Core installation to the extent that it checks whether Windows 10 1709/1803 or 1809 are installed on the system and warns the user accordingly, the installation of the Intel® drivers is automatically deselected.

In this case our software will use the already installed new DCH driver. Of course the GPU acceleration is also available with the DCH drivers. If you notice any abnormalities or are unsure about the performance, please contact our service department.

If necessary, the driver version must be checked manually to see if a legacy driver is installed. Only then may the legacy driver be downgraded by the Geutebrück installer by selecting the driver package in the installer.

What do I have to consider after installing with DCH drivers?

As a general rule, if G-Core software is run on your own hardware and Windows installations, you must check how performance and memory consumption are represented and change when Windows updates are performed.

This applies to all Geutebrück products that use GPU Intel® acceleration.

Further information about the drivers can be found on the following page:

<https://www.intel.com/content/www/us/en/support/articles/000031275/graphics-drivers.html>

If you have any questions, the Geutebrück team is at your disposal via the hotline or service@geutebrueck.com.

G-Core Release 7.0

Software	Type	Short Description	Detailed Description
Bugfix	Axis IPC plug-in	Number plate recognition	Bug in AXIS IPC plug-in causing a wrong return of license plates containing special characters like Ä, Ö or Ü. Therefore plates containing such characters cannot be processed.
Bugfix	G-SIM license option	Showing old failover camera licenses	This bug causes showing old failover license articles in G-Set options menu.
Bugfix	G-Core Mail	TLS 1.2 support	G-Core Mail supports now TLS 1.2.
Bugfix	G-Tect	Server connections	Multiple Connections are not recognized by the servers. IMPORTANT: If the G-Tect is running on another server it must be updated to the same version as the G-Core server. Older G-Tect cannot work with newer G-Core server with this version.
Bugfix	ONVIF Plugin	High media profile numbers and H.265	Fixes a possible crash of the server through ONVIF Plugin set with high Media Profile numbers and H.265.
Bugfix	G-Set	Media channel blocking-list	This fixes an issue that leads to missing blue color markings during the configuration of the media channel blocking list in G-Set.
Bugfix	G-View	Import connection settings	Connection settings on import are saved no matter if you click save or not is fixed now.
Improvement	Axis camera plug-in	Configuration in G-Set	The status of camera installed apps is displayed in the G-Set configuration site of the dedicated camera plug-in. Each application can be started or stopped within this configuration site. The camera application configuration site can be opened in Chrome or Edge directly from G-Set without need to enter the Login-Data. Furthermore the cameras main configuration site can be opened in Chrome or Edge directly from G-Set without the need to enter the login data.
Improvement	Axis camera plug-in	Events of camera apps	Axis camera events can be converted into any G-Core actions. The administrator can define which data is transmitted in which fields.
Improvement	Axis multi-sensor camera plug-in	Support multi-sensor cameras	The new G-Core hardware plug-in for Axis multi-sensor cameras supports Axis cameras with up to 5 video sensors. It makes configuring such devices much easier.
New Feature	Smart Licensing	Prepared for Smart Licensing	G-Core is prepared for Smart Licensing as of 7.0. Smart Licensing can be activated in G-Set in the options section. In the installer the new license manager can be selected and installed. With an upcoming G-Core version, Smart Licensing will be generally available. Further information and documentation will follow.
New Feature	G-View	Eventlist now shows all parameters of the triggering action	Now the eventlist in G-View shows all parameters of the action which triggered the event.
New Feature	Broadcom Plugin	RAID Controller Monitoring	The new RAID Controller Monitoring plugin can be used with the Broadcom RAID Controller to monitor the status if the RAID and the discs.
Additionally fixed with version 7.0.0.60. Please do not use the original versions 7.0.0.55 & 7.0.0.58 anymore.			
Bugfix	Camera plugins	RTSP streaming	A timeout bug in the RTSP streaming component has been fixed. This bug caused artifacts or short frame drops when transferring video streams via RTSP to the G-Core server.
Bugfix	Axis plugin	Axis plugin UI	The Axis plugin interface was not loaded correctly in case of G-Core client installation. This problem has been fixed.
Bugfix	G-Tect	Analysis setting	After changes to G-Tect settings, the analysis did not provide correct data. The problem has been fixed.

Support information

G-Core 5.x enters now the EoS (End of Service) state.

The „EoS“ describes the time until the service team supports a major release.

This includes „hotline“, „remote“, „on-site“ services and "bugfix releases".

Axis IPC plug-in improvement

Events delivered by AXIS cameras can be converted to G-Core actions by the AXIS IPC plug-in. The plug-in configuration provides mapping of AXIS ACAP application events to any G-Core action where the event parameters can be mapped to the action parameters.

Axis Multi-Sensor IPC plug-in

The new AXIS multi-sensor IPC plug-in connects AXIS multi-sensor cameras to G-Core. Each camera sensor is assigned to a module channel which can be assigned to a separate media channel. The plug-in provides up to 5 module channels. The Axis Multi-Sensor IPC plug-in consumes only one CamConnect license.

Web API

With our new WebAPI interface in G-Core 7, you can integrate G-Core into your web applications or apps by directly accessing streams and metadata from G-Core. Furthermore, you can use real time or recorded actions or events from G-Core to control reactions in your web application. Or you trigger G-Core actions for associated G-Core system reactions directly from your external application.

CamCheck

Manual and automatic review of your selected camera images, individually and conveniently configurable via web UI, with automatically generated reports on all cameras.

G-Core 7.0 System Requirements

SERVER:

Storage for video	minimal: 50 GB, recommended at least 1 TB
Storage for installation	minimal 50 GB, recommended: 128 GB
RAM	min. 8 GB
CPU recommendation	see table below
Network Interface	min. 1 Gbit/s
Operating System	Windows 10 LTSB (1607), (1809), Windows Server 2016 (1607) Windows Server 2019 (1809)
Microsoft SQL Server	SQL Server 2014 & 2019, SQL Server 2014 Express & 2019 Express (Microsoft SQL Server Express supports 1 physical processor, 1 GB memory, and 10 GB storage)
Microsoft .Net Version	.NET Framework 3.5 & .NET Framework 4.6.1
Graphics card	Intel graphics card (only for hardware decoding)

CLIENT:

SDK: same requirement as the client

Storage for installation	minimal: 5 GB
RAM	min. 8 GB
CPU recommendation	see table below
Network Interface	min. 1 Gbit/s
Operating System	Windows 10 LTSB (1607), (1809), Windows Server 2016 (1607) Windows Server 2019 (1809)
Microsoft .Net Version	.NET Framework 3.5 & .NET Framework 4.6.1
Graphics card	Intel graphics card

These drivers are not necessarily part of the G-Core installer. You may find an updated list in our Knowledge Base:
<https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html>

G-Core 7.0 System Requirements

HARDWARE RECOMMENDATION:

We recommend the following CPU and Intel graphic drivers. We cannot guarantee functionality and performance without the use of recommended drivers. GPU drivers are like any software, each new release can introduce performance and stability issues. If a problem appears at one point, we recommend to try to use a tested version.

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version	Graphic Driver Version
10th Generation Intel® Core™ i3	Comet Lake	Core i0300 Serie Prozessor	Intel® UHD Graphics 630		27.20.100.9466 DHC (Win 10 21H1)
9. Generation Intel® Core™ i3, i5, i7,i9 Processors		Core 9100 Serie Processor Core 9500 Serie Processor Core 9700 Serie Processor Core 9900K Serie Processor Xeon E-2244G Processor	Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics P630		27.20.100.9168 DHC (Win 10 1809) 27.20.100.9168 DHC (Win 10 1809) 27.20.100.9168 DHC (Win 10 1809) 27.20.100.9168 DHC (Win 10 1809) 27.20.100.9168 DHC (Win Serv 2019 1809)
8. Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630	15.36.28.4332 (Win 8.1)	25.20.100.6519 DHC (Win 10 1809)
7th Generation Intel® Core™ i3, i5, i7 Processors	Kaby Lake	Core i3- 7100TE Processor 3.9Ghz Core i5- 7500 Processor 3.4Ghz Core i7- 7700 Processor 3.6Ghz	Intel® HD Graphics 630	21.20.16.4678 (Win 10 1607)	26.20.100.7263 (Win 10 1809, Legacy) 26.20.100.7584 (Win 10 1809, DCH)
6th generation Intel® Core™ i3, i5, i7 Processors	Skylake	Core i3- 6100TE Processor 2.7Ghz Core i5- 6500 Processor 3.2Ghz Core i7- 6700 Processor 3.4Ghz	Intel® HD Graphics 530	21.20.16.4639 (Win 8.1)	
4th generation Intel® Core™ i3, i5, i7 Processors	Haswell	Core i3-4330 Processor 3.5Ghz Core i5-4570S Processor 2.9Ghz Core i7-4770S Processor 3.1Ghz	Intel® HD Graphics 4600	15.36.28.4332 (Win 8.1)	20.19.15.4377 (Win 10 1607)
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	21.20.16.4678 (Win Serv 2016)	
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5 Ghz	Intel® UHD Graphics 600	25.20.100.6582 (Win 10 1607)	

These drivers are not necessarily part of the G-Core installer. You may find an updated list in our Knowledge Base: <https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html>

Geutebrück supports the following features of the Onvif S Profile (Client) and the Onvif T Profile (Client) :

Features			
General		S	T
System Settings		C	C
User Authentication	WS-Username Token	M	
	Digest Authentication	M	M
User Handling		C	C
Query Services and Capabilities		M	M
Device Discovery		C	M
Network Configuration		C	M
Zero configuration		C	
IP Address Filtering		C	
NTP		C	C
Media Profile Configuration		C	C
Media Transport	(1) RTP/UDP	M	M
	(1) RTP/RTSP/HTTP/TCP	M	M
	RTP/RTSP/HTTPS/TCP	M	C
	RTP/UDP Multicast	C	C
Video			
Video Streaming	MJPEG	M	
	MPEG4	C	
	H.264	C	M
	H.265		M
Video Encoder Configuration		M	M
Video Source Configuration		C	C
Media Profile Streaming Ready out of the box		C	M
Video Streaming	RTSP/RTP	M	M
Imaging Settings			M

Features			
Events		S	T
Event Handling	Pull-point	M	M
	Base-notification	M	
Motion Alarm Events			M
Tampering Event			M
Audio			
Audio Streaming	G.711	C	C
	AAC	C	C
	G726	C	C
Audio Encoder Configuration		C	C
PTZ			
PTZ Move	Absolute	C	M
	Continuous	C	M
	Relative	C	
PTZ Presets		C	C
PTZ - Home Position		C	C
PTZ Configuration		C	C
Additional			
Relay Outputs		C	C
Auxiliary commands		C	C
Focus Control			C
Digital Inputs			C
Metadata Configuration		C	C
Metadata Streaming			C

(1) Client must support at least one of UDP and HTTP.
Function List use the following abbreviations:
M: Mandatory
C: Conditional

= Feature is supported.
 = Feature is not supported.

Technical alterations reserved.

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