

GEUTEBRÜCK

G-Core
Software Version 6.1.0

Release Notes

GEUTEBRÜCK

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 6.1.0

Software	Type	Short Description	Detailed Description
New Feature	Plugin	New E5 camera plugin	G-Core now supports the new Geutebrück E5 camera series.
Improvement	Axis Bodycam	New logfile for user based folders	There is a new logfile in each user based folder which includes the current state of the saved and retrieved video footage to show and reduce possible data loss.
Improvement	Axis Bodycam	Adaptions of background process & icon	Adaption of the process & service names to create a uniform appearance.
Improvement	Axis Bodycam	Localhost address no longer usable as hostname	With this adaption it is no longer possible to insert the localhost or the localhost IP as a hostname for the Axis system controller.
Improvement	Axis Bodycam	Administrator rights for user based folders	With this adaption it is no longer possible to view/change/delete the user based folders and its content without administrator rights.
Improvement	Axis Bodycam	Encrypted connection between system controller and server	Now it is possible to configure an encrypted connection between the Axis System Controller and the G-Core server.
Improvement	ANPR	ANPR SDK update	This update includes stability and performance improvements as well as bug fixes. Please note: A service (ANPR Wrapper) that supports the use of the 64-bit version has been removed. The functions are integrated in the ANPR service.
Bugfix	MOS	Misbehavior in MOS search	An issue in the MOS was fixed, which led to not detected movements in a selected area respective picture.
Bugfix	G-Set	Misbehavior when importing old setups	An issue with the import of old setups was fixed, which led to a an non-specific exception in G-Core.
Bugfix	G-View	G-View - SCS mode	When using the SCS mode in G-View, the buttons for MOS and Event were hidden in the timeline. This behavior is now fixed.
Bugfix	G-Set	Missing priority color of an event	An issue in the event configuration of G-Set was fixed, which led to a non visible priority color of a created event.
Bugfix	PLC	Misbehavior in PLC Simulator	The PLC browser is now available again.
Bugfix	Axis Bodycam	Misbehavior in saving video material	We fixed an issue, where a random number of bodycam plugins are not able to sucessfully save the respective video footage.
Bugfix	MBEG	Misbehavior in camera cycles	An issue with the MBEG plugin was fixed, which led to a wrong behaviour of camera cycles.
Bugfix	Plugin	E4 Plugin - H.265 quality profile	Custom quality profiles for H.265 now work correctly with the E4 plugin.
Bugfix	Axis Bodycam	Setup saving not possible	We fixed an issue, where the G-Set setup was not saved sucessfully after a change of the Axis bodycam configuration.
Bugfix	Cam Check	CamCheck Report	The images in the CamCheck report now have the correct format.
Bugfix	Axis Bodycam	Crash in BWC Connector	An issue in the Axis BWC connector was fixed, which led to an unwanted crash during the export of the VMS configuration file.
Bugfix	Axis Bodycam	Incorrect description of BWC Connector	An issue in the installation of the Axis bodycam integration was fixed, which led to a wrong description of the applications afterwards.
Bugfix	Axis Bodycam	Playback problem of video material	An issue in the Axis bodycam integration was fixed, which led to a wrong behaviour during the playback of video footage.
Bugfix	Axis Bodycam	Missing video material after bodycam use	An issue in the Axis bodycam integration was fixed, which led to randomly missing video footage.
Bugfix	Axis Bodycam	Missing video material after server restart	An issue in the Axis bodycam integration was fixed, which led to missing video footage after a recent G-Core server restart.
Bugfix	Axis Bodycam	Partial .Net 5 Integration for Axis Bodycam Integration	Due to an issue with older .Net versions, the .Net 5 version was partially integrated into the service of the Axis bodycam integration.
Bugfix	Axis Bodycam	Stucked Video Processing	An issue in the Axis bodycam integration was fixed, which led to stucked video processing due to a redudant upload of video files.
Bugfix	G-Core V6 Installer	G-Core installers	We removed the styling from all G-Core installers due to problems in virtual environments / remote desktop installations.

G-Core 6.1.0 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 LTSC (1607), (1809), Windows Server 2016 (1607) Windows Server 2019 (1809)
Microsoft SQL Server	SQL Server 2014, SQL Server 2014 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 LTSC (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

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
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)
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)	
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)

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 6.1.0 System Requirements

Product Collection	Code Name	Processor-Number	Processor Graphics	Graphic Driver Version	Graphic Driver Version
8. Generation Intel® Core™ i3, i5, i7 Processors 9. Generation Intel® Core™ i3, i5, i7, i9 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630		25.20.100.6519 DHC (Win 10 1809)
		Core 9100 Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Core 9500 Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Core 9700 Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Core 9900K Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Xeon E-2244G Processor	Intel® UHD Graphics P630		27.20.100.9168 DHC (Win Serv 2019 1809)
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5 Ghz	Intel® UHD Graphics 600	25.20.100.6582 (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)	

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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