

GEUTEBRÜCK

G-Core
Software Version 6.1.1

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 6.1.1

Software	Type	Short Description	Detailed Description
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.
Bugfix	G-Set	Renaming of time ranges	An issue where changing the name of a time-range doesn't update the relations.
Bugfix	G-Set	Encoder settings in Bosch plug-in	An issue, where Encoder-Settings in the Bosch-Plugin can't be modified.
Bugfix	G-Set	Crash in ONVIF plug-in	An issue which may lead to a GSet crash in combination with codèc-16 devices.
Bugfix	G-Set	Storage ring settings	An issue in G-Set which leads to unreadable text after setting the focus on an archive level in the G-Set ring settings.
Bugfix	G-Set	Codec not changeable	An issue in GSet where the once chosen codec cannot be set to a different one if H264Short GOP has been chosen.
Bugfix	G-ST 500+	Contacts	This issue leads to wrong handling contacts of G-ST 500+.
Bugfix	G-View	Painting rectangles at face recognition	An G-View related issue which leads to the drawing of face recognition rectangles in every viewer instead of the responsible one.
Bugfix	G-View	Skipping events in GBF	An G-View related issue which leads in unknown cases to a crash if few events are skipped.
Bugfix	G-View	Showing object path	An VMX related issue which leads to the display of object paths for VMX events in recordings.
Bugfix	G-Core Server	h265 streams in ONVIF plug-in	In rare cases, the server can be crashing.
Bugfix	G-Core Server	Modbus plug-in with Adam module	Server crashes with modbusplugin configured for adam
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	G-Tect and G-Mail	Wrong naming	An issue where G-Tect and G-Mail are wrongly named in Task-Manager
Bugfix	G-Tect ANPR	No results	An ANPR related issue which leads in unknown cases to a stop of result throwing after longer operating time.
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	SAM Server	Restarts repeatedly	This bug caused the license server to restart frequently.

G-Core 6.1.1 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 6.1.1 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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