GEUTEBRÜCK

G-Core

Software Version 5.1.2

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 DHC 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 5.1.2

Software	Type	Short Description	Detailled Description
New Feature	G-Tect	LPR Direction Filter	The configuration options of G-Tect/LPR have been extended. It is now possible to filter out movements of vehicles respectively license plates.
Improvement	Installer	GCore SAM Installer - Updated license message	The message when no license is available has been improved.
Bugfix	ActionGate Plugin	G-Core ActionGate Plugin is not working after GeviSoft restart	The ActionGate now reconnects after a GeviSoft restart.
Bugfix	SAM	G-Core SAM - Import of SMA was not processed correctly	New SMA files were imported incorrectly under certain circumstances. This resulted in an incorrect dongle hash when the SoftDongle file was read after a restart of the SAM service.
Bugfix	AXIS Plugin	Axis - Improved camera support (P1435-LE).	When the camera sends 0 or 1 on the output contacts, they are now processed correctly.
Bugfix	IMEX	Fixed IMEX Export	Since G-Core 5.0 the IMEX export didn`t work correctly. This is fixed by now.
Bugfix	G-Web	G-Web not starting	A missing configuration file prevented the G-Web service from starting. This is fixed now.

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G-Core 5.1.2 System Requirements

SOFTWARE REQUIREMENTS

- Windows 10 LTSB (1607), (1809), Windows Server 2016, Windows Server 2019
- Microsoft SQL Server 2014, Microsoft SQL Server 2014 Express
  (Microsoft SQL Server Express supports 1 physical processor, 1 GB memory, and 10 GB storage)
- Microsoft .NET Framework 3.5 & Microsoft .NET Framework 4.6.1
- Intel graphics card driver (only for hardware decoding)

- Client:
  No SQL server necessary

HARDWARE REQUIREMENTS

- Intel GPU Driver Recommendation (Geutebrück Partner Portal):
  https://support.geutebrueck.com/search/detail/intel-gpu-driver-recommendation.html

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version	Graphic Driver Version
8th Generation Intel® Core™ i3, i5, i7 Processors 9th Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor Core 9100 Serie Prozessor Core 9500 Serie Prozessor Core 9700 Serie Prozessor Xeon E-2244G Prozessor	Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics P630		25.20.100.6519 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win Serv 2019 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)	20.19.15.4377 (Win 10 1607)
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)	
Intel® Xeon® Processor E3 v6 Family	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	21.20.16.4678 (Win Serv 2016)	
Intel® Celeron® Processor J Series	Gemini Lake	Intel Celeron J4105 2.5Ghz	Intel® UHD Graphics 600	25.20.100.6582 (Win 10 1607)	

- RAM: min. 8GB
- Storage for video:
  minimal: 50 GB, recommended at least 1 TB
- Storage for installation:
  minimal 50 GB, recommended: 128 GB

- Network interface: min. 1 Gbit/s
- SDK:
  Same requirement as the client

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ONVIF S Profile and T Profile Features

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

Features		S	T
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		S	T
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.