GEUTEBRÜCK

G-Core

Software Version 4.2.4

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 Release 4.2.4

Software	Type	Short Description	Detailed Description
Feature	IP Camera	G-Cam E4 Fisheye	The E4 plugin is now ready to use the new E4 fisheye camera G-Cam/EHC-4888 & G-Cam/EHC-4781.
Bugfix	G-Web	G-Web threads increase	The permanent threads increase when adding and closing viewers in G-Web is fixed now.
Bugfix	G-Core Plugin	ONVIF reconnect	In some cases (e.g. on restart of the SAM service) the ONVIF livestreams where disconnected. This behaviour is fixed now.
Bugfix	G-Core SAM	G-Core Failover - Database recording depth	In case of a G-Core failover the database size was limited to one day recording depth. It is only necessary to install the new SAM on the device with the Failover-Dongle to fix this problem.

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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.

Technical alterations reserved.