

GEUTEBRÜCK

G-Core

Software Version 4.2.2.44

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.

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Software	Type	Short Description	Detailed Description
New Feature	G-Set	G-Set - event recording settings	The default settings for event recording are now taken from the mediachannel settings.
New Feature	G-Finder	G-Finder - new version	A new G-Finder version is included. The UI was completely rewritten.
New Feature	G-Set	G-Set - UI improvement	The UI of the ONVIF plugin is improved.
New Feature	G-Finder	G-Finder - network settings configuration over ONVIF Profile-T	The IP address and Gateway can be changed now for ONVIF Profile T cameras.
New Feature	VAM	VAM - New option for number plate recognition	There is a global option added which activates the function to remove asterisk from the end of german number plates. They occur for example for seasonal number plates.
New Feature	G-Set	G-Set - Infobox for password requirements	If a password does not meet the password requirements a infobox with detailed information is shown.
Improvement	G-Set	G-Set - dongle options link	The link to request new options via the Web Club has been removed. Only the token is now displayed.
New Feature	Server	G-Core - Video database on multiple UNC path	The video database can now distributed on multiple UNC path. This feature comes with some restrictions. Please ask the Central Support for more information and instructions for the setup.
New Feature	G-Set	G-Set - password requirements	The user passwords in G-Set now requires at least 8 characters. In addition the password must meet 3 out of the 5 requirements: uppercase letter, lowercase letter, other letter (chinese or arabic letters), numbers and special characters.
New Feature	G-Set	G-Set - coordinates for cameras	The G-Set mediachannel configuration dialog now supports parameter for latitude and longitude.
New Feature	G-Set	G-Set - export a list of all cameras	In G-Set there is now a configuration report available with an overview of all configured mediachannels. The export shows also the manually set coordinates of each camera and a link to show the camera on OpenStreetMap. The export is done via File->Export configuration report.
Improvement	Server	MediaAPI	The reliability for recording has been increased.
New Feature	PLC Simulator	PLC simulator	The PLC simulator has now a macro editor. The macros can be exported / imported. Macros can be put together into Traces which replays these macros. Macros and Traces can play continuously in a loop.
New Feature	Server	G-Core - ONVIF profile T compliant	The ONVIF plugin now supports ONVIF profile T. See https://www.onvif.org/ or the attached overview for more informations
New Feature	G-Core SAM	G-Core SAM	The system supports now a local dongle cache for 30 days. If the dongle is broken or the softdongle bindings have a problem, the system continue to work for 30 days. In the case of using a remote SAM connection, the 30 days cache is working with a broken connection, too. Options can only be added if the dongle cache isn't active. There are several system error actions and event log entries if the cache is activated. The local dongle cache can now be activated on the webage of the G-Core SAM. The different SAM operating modes are now called "local-dongle-mode" and "remote-dongle-mode"
Bugfix	Server	G-Core - Multilanguage	The G-Core translations have been improved.
Bugfix	G-Web	G-Web - custom buttons	The custom buttons in G-Web are now working after a restart. Existing buttons needs to be reconfigured for this to work.
Bugfix	ANPR	ANPR - E-license plates	The recognition of E-license plates has been improved.
Bugfix	VAM	VAM - CSV import	Import of the vehicle list and the permissions (Granted/Denied) is now working for all languages.
Bugfix	Server	AuditTrail	Sometimes FirstUser, SecondUser, WindowsHost and WindowsUser where not saved correctly.
Bugfix	Installer	Update with external SQL server	The installer now recognizes an external SQL installation and will not block the installation.
Bugfix	ANPR	ANPR - improved recognition	Improved recognition for dutch license plates. The O is now detected correctly.
Bugfix	VAM	VAM - Improved localization	Improved arabic translation for the VAM
Bugfix	G-Set	G-Set - HDF export	Holidays can now be exported correct again.
Bugfix	G-View	G-View - APF with privacy masking	Channels that are connected via APF, now consider the privacy masking settings.
Bugfix	LPR	LPR - repeated recognition	The same license plate can be recognized again after 30 seconds. The timespan can be set via a registry key. See the LPR documentation for more details.
Bugfix	Server	VideoSyncfailed action fixed	VideoSyncfailed action was send with an delay of 40 seconds. This problem is fixed now. The action is now triggered in the moment the connection is lost.
Bugfix	E4 plugin	E4 cameras - streaming without root user	Streaming of the E4 cameras is now possible with other users besides the root user. Controlling the stream is only possible with the root user.

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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