GEUTEBRüCK

G-Core

Software Version 4.1.1

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 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.

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Software	Type	Short Description	Detailed Description
New Feature	Protocol	DTP3N protocol in ATM-Link	DTP3N protocol has been added and can be selected in ATM-link.
New Feature	SDK	Get Initial Sync Status Function	SDK Function to query the initial sync status of all cameras
New Feature	G-Core Actions	G-Core camera recording info / GAP detection	There are new actions VideoInterrupted(), VideoRestored() and DataBaseRecodingInfoByCamera() to notify interruptions and protocol recording per camera. The gap detection can be globally activated in G-Set, a minimum GAP size in seconds can be configured. If a video stream is interrupted for a longer period of time as defined, the VideoInterrupted() Action is repeatedly sent with the time of the last image. Once the stream continues, the VideoRestored() action is sent including the length of the interruption. If enabled, recording info is sent out by camera, to be able to review more detailed recording characteristics.
New Feature	IP-Cameras	Container Camera Plugin	There is a new plugin that reads numbers from the ACCR GUARDIAN 704 ILB container recognition camera. It can read numbers from the top, front or rear side of a sea container and sends the results as NPRRecognition actions. Find more information in the G-Core Help.
New Feature	G-Set	Rename AD and SV Templates, No Rename in Context Menu	Added "Rename Template" in context menu for AD or SV templates.
Improvement	Installer	Installer - add Intel driver for G-Scope1500+	A new INTEL driver for G-Scope 1500+ is now added to the G-Core installer and is installed automatically with the G-Core installation.
Improvement	G-Core SAM	Softdongle - Improve Binding Robustness	This G-Core SAM version contains an improved softdongle that introduces a more robust behaviour on systems with changing network configuration. An existing softdongle can continued to be used. When new options are requested, we recommend to create a new SLR request file, so the dongle can be upgraded to the new version.
Improvement	LPR	LPR integration in G-Set	The configuration of G-Tect LPR is now included in the G-Core Setup for easier handling. The old LPR Setup tool should be used to export existing settings. These can then be imported in G-Set. As long as no configuration is done in G-Set, the existing local setup is used and the function of the system is ensured. Please consult the documentation for details. We recommend to use the new configuration in G-Set. The external LPR setup is now deprecated and will be removed in an upcoming version.
Improvement	G-Stats	VCA/Count for using with G-Stats	The count results from the Bidge VCA/Count are now visible in G-Stats.
Improvement	VCA	VCA Bridge Firmware Update to V4	VCA Bridge is now supported with firmware 4.1
Improvement	LPR	LPR Installer - Update Classifiers	LPR now supports the countries Phillipines and India.
Improvement	ATM-Link	TCP/IP Support required in ATM-Link	ATM Link now supports TCP/IP connections to communicate with the ATM machines in addition to the serial connections.
Improvement	VAM	VAM UAE arabic letters support	VAM is now able to display arabic letters of the plates and to search for them. If VAM is set to a special mode, all plates with Latin characters are translated to Arabic and displayed in a separated column.
Improvement	G-View	G-View OSD of SafeBagData Action has got less digits	G-View OSD of SafeBagData Action supports now up to 15 digits.
Improvement	ANPR	ANPR does not work for Belarus and the Netherlands	ANPR recognizes now Belarus and Netherlands license plates.
Improvement	VAM	VAM incorrect CSV Import of vehicle List	Improved vehicle list import in VAM.
Bugfix	G-Core SAM	G-Core SAM blocks G-SIM through Upgrade expiration Date	There was a bug in G-Core SAM to internally check if the upgrade period is valid against its own internal major release date. If not, all license checks after were not executed. In some cases, this could cause G-SIM not to start after an update to version 8.5.X. although G-SIM's major release date is still valid. This internal check is removed.
Bugfix	RTSP	RTSP Server - no stream with Mobotix camera	Bugfix in RTSP Server for some special Mobotix jpeg images that could not be displayed in remote RTSP viewer or from a remote G-Core with RTSP plugin.
Bugfix	G-Set	GUI issue	The arrow keys in the action configuration of events now work properly.
Bugfix	G-View	GUI issue	Sidebar scrollbars of the GView event list does not move into lists any more.

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Technical alterations reserved.