

GEUTEBRÜCK

G-Core

Software Version 4.0.1

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 4.0.1

Type	Type2	Short description	Detailed description
New feature	G-Core	Major Release 4.0	<p>This G-Core release is a major release and falls under the restrictions of the software upgrade plan. If the upgrade expiry period of your G-Core ends before Jan. 1st 2019 you have to add additional options G-Core Upgrade before you install this version.</p> <p>This version also requires an update to the latest G-Health version 3.4.107 before installing the G-Core. This is caused by the encryption of the local setup files of the G-Core server.</p>
New feature	IP Cameras	E4 camera plugin with VCA Integration	<p>This release now offers support of the new E4 camera series. The cameras are fully integrated for recording configuration in G-Set and the camera wizard. The E4 camera series also offers integrated edge video analytics. There are 8 different analytics that run on the cameras, they can be configured on the cameras web page. The provision of video analysis is currently in progress and will be available shortly. We will inform you about this separately.</p>
New feature	G-Core failover	G-Core failover mode for G-SIM	<p>This software version now supports the G-Core failover dongle that can be used in combination with the G-SIM NVR failover. In this mode all options are taken from the master server, except ANPR and LPR.</p> <p>A modified setup for the failover G-Core server is taken from the master server and is pushed to the failover G-Core by G-SIM. This setup cannot be modified with G-Set. Only the location and size of the G-Core database can be specified.</p> <p>Attention: the local setup files of the G-Core server are saved encrypted to the disk on all G-Core servers once they have been updated. The files cannot be copied and moved from one server to the other any more. The export and import of setup files with G-Set is not affected by this new mechanism.</p> <p>As a result the setup can not be read by an older version any more! Make sure to save a backup of the G-Core setup with G-Set prior updating the system to the new version 4.0 This can be used when an older version needs to be installed again.</p> <p>Also note that this version requires G-Health version 3.4.104 or later, as older versions use direct access to the setup file. So please update your G-Health installation before installing this G-Core version on a server with G-Health client.</p>
New feature	G-Tect	Integration G-Tect Bridge	<p>This release supports the analytics run on the external device G-Tect VCABridge.</p> <p>The device can analyse 4 or 16 cameras, that are also connected to a G-Core. The analytics results are send to the G-Core server as actions, they can be used to create events and alarms for further processing. In this release, cameras from the E2, E3 and E4 series are supported as well as Axis cameras.</p> <p>Please refer to the separate product information on the performance and analytic types that are available in this device.</p>

New feature	G-Tect	G-Tect VCA failover	<p>G-Tect analytic channels can now be configured in the G-Set to run on separate machines. This allows the use of dedicated analytics machines and a stand-alone failover in the event of a failure. For this purpose, a list of failover analytic stations is stored in the setup. If an analytic station fails, the analytic process is automatically started on the next failover analytic server. As soon as the primary analytic server is available again, the analytic process is restarted on the primary server. The G-Tect service is installed on the failover analytical stations, where no analytical work is done until a failover is performed. No additional options are required.</p> <p>In conjunction with the G-SIM NVR failover, separate analytical stations can now also be used. As soon as the source NVR passes to the failover NVR, the configuration from the setup is used to restart the analytics on the same separate analytical device.</p> <p>Attention: During an update, the local G-Tect settings from the VCASetupEditor will continue to be used as long as no settings are made in the G-Set. If the new function is to be used in the G-Set, all channels must be reassigned to the analysis stations. There is no automatic import of the local settings.</p>
New feature	G-Core	Bosch plug-in - Saving VCA meta data	<p>The saving of the BOSCH VCA data to the G-Core meta data table can be activated now. This data can be used to perform search operations with a separate search tool. Availability and licensing of that tool will be announced in a separate product information.</p> <p>Be aware that the camera can create large amounts of meta data that can easily exceed the database sizes allowed by the Express version. Please check your requirements and update to a MS Standard SQL Server license.</p>
New feature	G-Core	G-Core Bosch plug-in - Use in Camera Wizard	The camera wizard now uses the BOSCH plugin for BOSCH cameras. Once BOSCH cameras are added by the wizard the BOSCH plugin is chosen and not the ONVIF plugin as before.
New feature	LPR	LPR - SDK Update	<p>The LPR now supports to format the number plates with spaces between different blocks. E.g. for german plates can separate the city/region with the first character block. This function can be enabled in the settings per channel.</p> <p>In addition to that, the countries classifiers have been updated to the latest versions.</p>
New feature	G-Core	G-Core server side blocking of media channels	<p>The G-Core server now enforces the access rights of the logged on G-Core user per channel as it is configured in G-Set. The blocking applies to live stream, complete database and the enumeration of the channel if both live and database replay is blocked. The database access restriction by hour must still be handled by the clients as it is done in the previous versions.</p> <p>This behaviour applies to all clients that pull a live stream, like RTSP server, G-Tect analytics with user authentication, G-SIM and ALL SDK clients.</p> <p>Please check if the user that you are using for login with your application has sufficient access rights on the channels you intend to use.</p>
New feature	VAM	Web-Service interface for VAM	The VAM now gets a webservice interface that can be used for vehicle and access rights management from external systems. The first implementation is a project specific one, in a later release a generic interface can be generally available.

New feature	G-View	G-View Timeline on as default	Timeline will be visible by default
New feature	ANPR	ANPR - Enlarge size of B/W list and categories	ANPR black and white list max. number of vehicles set to 2000 and max. number of groups set to 1000.
Bug fix	G-Core	JPEG decompression: high CPU load with Win 10	JPEG decoders are set to own software decompression by default, because hardware has a big bottle neck on Kabylake platforms. If needed, the decoder can be set back to HW decompression by using a RegistryKey.
Bug fix	G-View	G-View - Next/Prev Event	If two events use the same action as a start by action, two events are started at the same time. After that, G-View can not jump over this start time using "Jump to Next / Previous Event" buttons. This has been fixed.
Bug fix	ANPR	ANPR action with category doesn't work when import/export from Excel	Number plates for ANPR with categories did not work properly if exported and imported from an Excel file.
Bug fix	G-Core	G-Core Server crash through MCS Plugin	The MCS plugin that is used to import JPEGs as a media channel can crash the server, if images are deleted while server is running. This has been fixed.
Bug fix	VCA	Media channel list in VCA failover dialog is too narrow - names cannot be read	In the media channel list in VCA failover dialog was too narrow - names could not be read. The component size has been enlarged.
Bug fix	CUA	Login to CUA Server without / wrong password possible	Due to an error during the password check at the log on to the CUA server, the entered password was always valid.
Bug fix	LPR	LPR Streaming Mode	The setting options "Show results after n readings" cannot be changed in the streaming mode 'single'.
Bug fix	VCA	VMD setting window gets smaller every time you open it	Every time the VMD settings window has been opened it was getting smaller. This behaviour only appeared if more and more single chains had been set.
Bug fix	VCA	VMD add a new chain in a different group does not work	Inserting a new chain into a group did not work with the VMD. The group ID was not taken into account. The numbering has been revised.
Bug fix	Export	GBF export in G-View does not work	Sometimes the GBF-Export in GView showed an error message, that no images have been found to export, although the images have been in the database. This now works again.
Bug fix	VCA	G-Tect VMD/VMX settings are not displayed in the setup UI	After a G-Core Update to Version 3.2.1. the VMD/VMX parameters were displayed in their default values. This has been fixed.

Bug fix	G-View	G-View does not remember autorun option on cutlist export	Cutlist export dialog now remembers the autorun param if it was previously set.
Bug fix	SAM	SAM Service is crashing, problem with the dongle cache cert	Crash fixed in GCoreSAM in report function, when dongle caching is activated and physical dongle is removed.
Bug fix	Export	Export of the rights profiles without selection box	When exporting the user rights settings to a file in G-Views ProfileManager, only the selected rights will be exported now. Additionally, if the shift key is pressed while pressing the export button, all rights will be exported.
Bug fix	LPR	LPR - c2v files will not be generated for software dongle	On some machines, the c2v files to create a software dongle for the LPR could not be created because of missing redistributables.
Bug fix	G-Core	Command Plugin did not consume licence	G-Core Server now consumes the command option correctly.
Bug fix	VCA	G-Tect/VMX parameter import does not work correctly	When GTect/VMX templates are imported from .xset, the events programmed did not work any more. This has been fixed.
Bug fix	G-Set	G-Set event wizard does not filter action group	Selecting an action group in event wizard action settings now filters action list correctly.
Bug fix	G-View	G-View alarm handling	There was an error in G-View alarm handling, a viewer was not cleared although it was configured. Now Viewer will be cleared if the alarm is confirmed and the option of deleting the alarm if confirmed was selected.
Bug fix	CUA	G-Core CUA server only possible to add DNS names	In CUA G-Core server could only be assigned by DNS name and not by IP address. This has been resolved.
Bug fix	ONVIF	G-Core server crash through ONVIF plugin	The ONVIF plugin was updated to use a new OpenSSI Version, an older version was responsible for several server crashes.
Bug fix	G-Core	ConnectionHandlerWP F - When adding, the last entry is always selected	In the ConnectionHandler Dialog, the last entry was always selected when a new connection entry was added. The scrolling behavior is now improved too. If a scroll bar is needed and a new entry is added, it automatically scrolls to that position.
Bug fix	G-Core	DBI Fetch operation delivers invalid records	A DBI fetch operation can return invalid records if the fetch is near EOD and is a forward fetch, requests more than one record and has a min limit in its fetch extension.
Bug fix	G-Tect	Incorrect display of the G-Tect/VMD detection rectangle	There was a bug in the display of the VMD fields in G-View, where the triggered alarm rect was shown at the wrong place.
Bug fix	G-Set	G-Set ScanConnect loses settings	There was an error in the ScanConnect plugin, where some of the settings for TACI with UDP protocol were lost when disconnecting and reconnecting G-Set with the G-Core server.

Bug fix	G-Core	CUA malfunction with DNS/IP	In CUA, if DNS names are used instead of IP addresses, user configuration is not always updated correctly on the G-Core servers.
Bug fix	G-Core	Secondary channel is not marked as fisheye camera	Fixed a problem, where no fisheye or client privacy masking settings are loaded, when an edgerecording or secondary channel is used as source.

Technical alterations reserved.

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