GEUTEBRÜCK

G-SIM

Software Version 8.5.2

Release Notes

GEUTEBRüCK

Dear business partners,

In the course of an update from G-SIM 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-SIM 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-SIM installation to the extent that it checks whether Windows 10 1709/1803 or 1809 are installed on th 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-SIM software is run on your own hardware and Windows installations, you must check how performance and memor 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
Important Update Information	Installation	Installation Guide	- After importing and saving the setup in the ManCon, please log in again. - Due to system replication please restart the OpCon. It may take some time for you to login to the OpCon due to system replication. - After updating to 8.5, the agent password must be changed in the ManCon and the Configtool. To do this, first change the name of the agent in the ManCon and Configtool. Then you can configure the password
Information	Server	Agent password	With G-SIM 8.5 a new secured communication between G-SIM Agent and G-SIM Server was added which enforces an authentikation key for each Agent trying to establish a connection to G-SIM Server. Please note that after an Update to G-SIM 8.5 the configuration must be adjusted in ManCon -> Agents and on the configuration of the Agent.
Information	Server	User password encryption	The password encryption of G-SIM user is changed from md5 encryption to a state-of-the-art hashing technologie. This will enforce to change the user's password on first login of the OpCon after the update. For the ManCon an password compatibility mode is available to secure the login for the administrator.
Information	Server	Pelco Integration	Please note that the Pelco Endura integration will be removed with G-SIM 9 as the Pelco SDK is outdated and not supported anymore.
New feature	Server	Changed default behaviour for new OpCon's added to the system	When a new OpCon Client connects the first time to the G-SIM Server it is automatically created as an object. The default privilege setting was changed to not assign privileges to the added OpCon or ReCon. Privileges must be configured by the administrator.
New feature	OpCon	Alarm details added to Reporting	When using the alarm report manager to export alarm reports, the comment field and all alarm actions can now be added to the export.
New feature	Server	New User Privileges	The following new user credentials are added: - Show/Hide the Alarms button - Show/Hide the Customize button - Show/Hide the Template button - Show the "viewed by" section in the camera card - Allow the user of alarm report manager
New feature	OpCon	Individual alarm sounds	It is now possible to overwrite the default alarm sounds for a G-SIM Alarm specific for each type of an alarm. Please note that alarms with the highest priority will be handled before lower prioritized alarms.
New feature	OpCon	Alarmsound on connection loss	The Operator Console does now play an configurable sound if the connection to the G-SIM Server is interupted. The sound can be changed in the ManCon under Client Setup.
New feature	ManCon	Populated Layouts	It is now possible to add camera tours and maps to a populated layout and linked layouts as well as locking the viewer to only show the configured content, so the operator is not able to change it. Furthermore within the mediasource configuration it is now possible to access the list of public camera tours to manage them. All settings which are available in the OpCon are available in the ManCon configuration view, except the configuration to set a camera tour to be private.

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New feature	OpCon	One time login	For each user the amount of possible logins can be configured to offer the possibility to create one-time passwords or limit the amount of logins. It is possible to reset the login counter inside the ManCon.
New feature	Server	Audit log	The G-SIM Audit now logs the following operations: - Opening and reviewing GBF Files - Calling a PTZ Preset - Click on a Custom Button - Changing the Screen layout
New feature	OpCon	Bosch forensic search	A new configuration for Camera types was added to configure a Camera as usable for forensic search. This configuration will add a Button to the viewer of the camera, on click on the button a CustomActionEX will be send out with channel information which can be used in external application. To identify the operator currently logged in an additional CustomActionEX will be send out on user Login and Logout of the OpCon which can be used for various options.
Bug fix	OpCon	No Login on 32Bit Console	An issue was fixed which could cause the 32Bit OpCon to not being able to login.
Bug fix	OpCon	Guard tours	The sorting of cameras in the list of a guard tour was wrong.
Bug fix	OpCon	User Login	After updating G-SIM from an previous 8.x version it could occour that the Windows Authentication did not work anymore due to a misscheck in the compatibility of the licensing model.
Bug fix	OpCon	Logout	A possible memory leak was fixed which could occour under heavy load causing slow reaction on OpCon.
Bug fix	Server	SQL Database	An exception could occour on synchronization of the G-SIM Audit log after the G-SIM Cluster was recovered.
Bug fix	OpCon	Digital PTZ	Using the MBeg GCT in MV Mode could block the OpCon after a digital Zoom action was fired.
Bug fix	OpCon	Fisheye cameras with TC mode	When switching between normal viewer and TC Viewer using a fisheye camera, the mode of the fisheye dewarping will be applied on the TCViewer channel.
Bug fix	ManCon	Processdatafilter	The preview of a customer defined processdata search dialog was not shown correctly.
Bug fix	OpCon	Tab Menu	The configuration of the menu to be shown on the right or left side of the OpCon was not saved.
Bug fix	ManCon	Setup Wizard	Using the Setup Wizard could cause the ManCon to crash with a dump file.
Bug fix	ManCon	Processdatafilter	When editing the pre-defined Processdata filter it was not possible to add multiple (max. 3) actions to the filter to search for.
Bug fix	OpCon	Template change	When the operator switches between two Templates which have the same viewer definition but different global numbers the OpCon did not update the global numbers of the viewer and therefore could not open video channels when a viewer connect action was received.
Bug fix	OpCon	Audit Filter	On the Audit filter "Event type" the multi-select was not activated.
Bug fix	OpCon	Two Man Rule	When second user login was used on startup of the OpCon and one of the operators used wrong credentials no information was given to the operator.

Bug fix	ManCon	Map Objects	When creating map objects containing additional state's the images of the additional states where not rotated on the map when the map object is rotated.
Bug fix	Server	G-SIM Starter	Under some circumstances it was possible that G-SIM Starter stopped working after 30 days.
Bug fix	OpCon	Alarms	When an alarm is configured with an alarm action using a response type but the response type was not fully configured it was not possible to complete the alarm as this is mandatory for the completion of an alarm. It is now ensured that the alarm response type is not empty.
Bug fix	OpCon	Logout	Under some circumstances the logout process of the OpCon did not save all configurations of visibiltiy of modules such as timeline on/off.
Bug fix	OpCon	Viewer Control	The VCChangeMapByName action is now also executed if OpCon is not yet connected to an NVR. The privilege "RemoteViewerAction" must be set and the console needs to have a console global number configured.
Bug fix	OpCon	PTZ Control	PTZ control was not always possible during a NVR Failover.
Bug fix	OpCon	Maps with cyrillic file name	Using G-SIM with russian language could cause an exception when importing map files with cyrillic file name.
Bug fix	OpCon	Export with TC Server	When an operator is restricted to see only low resolution channels he was not able to trigger video export on high resolution channel.
Bug fix	ManCon	Map Objects	The image repository groups where not working for the map object states "Additional Alert Camera".
Bug fix	OpCon	Viewer Control	Using the viewer control action "playfromtime" did not reflect the time zone configuration.
Bug fix	ManCon	Alarm Wizard	Alarm Setup wizard was not able to load alarms from GeViSoft.
Bug fix	Agent	Initial setup	After the first / basic configuration of a new G-SIM system the agent need to be restarted to start the event recording.
Bug fix	OpCon	Export progress Bar	The progress bar was not shown when an second export to a write-only folder was started.
Bug fix	Mancon	TC channel configuration	The primary channel in a transcoding server environment was not always configured as lowres channel automatically.
Bug fix	OpCon	Viewer Control	Activating the presentation of viewer global numbers did not work in the Remote Console. The Console only showed the Viewer ID instead of global number.
Bug fix	Installer	Uninstallation	The G-SIM Uninstaller did not uninstall the G-Sim Server service when operated from Control Panel
Bug fix	OpCon	Messaging	The timestamp of an send message was truncated because not enough space was available.
Bug fix	OpCon	On screen Data	The drawing of a bounding box did not work for Event text information.
Bug fix	OpCon	Quick export	Starting the Quick Export dialog from the process data search dialog caused the OpCon to stop working.
Bug fix	OpCon	Filter dialog	The filter dialog to filter for alarms based on a per-month base did not reflect the configured time zone.
Bug fix	OpCon	Processdatasearch	The XML query path using an CustomActionEX for asynchronous process data search was not returning the correct format in some cases.
Bug fix	ManCon	Restrictions	When unselecting an item within a restriction and switch to another restriction and back to the original restriction which was edited, the unselected items are selected again.
Bug fix	OpCon	Login Process	The login to the OpCon over low bandwidth connections could take a long time (>5 minutes) when a huge amount of users where available on the system with configured user photos because the user photos where not compressed accordingly.
Bug fix	OpCon	Viewer time	Due to changes to the internal handling of OSD calculation it could happen that the time of the viewer and the time shown in Windows time is not the same.
Bug fix	ReCon	ReCon sometimes with Login failed	Fixed some issues in login process

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Bug fix	OpCon	Two Man Rule	The privilege group on the second user login was not always applied accordingly to the configured values.
Bug fix	OpCon	OSD	The OSD did sometimes not scale correctly between two lines of OSD text.
Bug fix	OpCon	Guard tours	Moving a tour to a viewer when the channel is connected via low bandwidth connection or channel not available and closing the tour caused the tour to not stop immediately. When connecting a new mediachannel to the same viewer it could happen that the camera of the tour was applied.
Bug fix	OpCon	Dragndrop	The drag and drop mechanism in opCon did not work accordingly in G-SIM 8.4 release.
Bug fix	Server	Reference Image	When a channel was deleted from the system, the reference image of the channel was not deleted by the server. This is now handled by the G-SIM Server and can be configured within the system settings.
Bug fix	Server	Restrictions	The Restriction for privilege groups against OpCons to avoid the login was not applied.
Bug fix	ManCon	Alarm Simulator	Using the alarm simulator tool in ManCon the flag for primary camera was not used for the simulated alarm instance.
Bug fix	OpCon	OSD	Under special circumstances the OSD drawing did not work when an NVR Failover occoured. During the time the failover is active the drawing was interupted.
Bug fix	OpCon	Login Process	The "loading Inital data" dialog blocked the operator from entering his credentials to the OpCon.
Bug fix	OpCon	Alarm in G-SIM are not triggered from GeViSoft	A bug was fixed where alarms from GeViSoft where not processed anymore when other alarm from GeViSoft were completed on GeViSoft side at the same time the alarm was raised.
Bug fix	ManCon	ManCon Crash with unhandles exception after inserting camera into map	Fixed possible crash in ManCon MapEditor
Bug fix	OpCon	OpCon Failover Overview does not display status of devices correctly	Fixed a bug in failover overview leading to false states being shown
Bug fix	OpCon	OpCon Timeline Section marked on wrong position with offline scan	Fixed a bug where the section of interest is marked wrong when adding to the cutlist
Bug fix	OpCon	ReCon OpCon crashes with cascasing Alarms - Alarm Viewer Groups	Improved overall stability ot the OpCon an ReCon. Fixed an issue with cascading alarms leading to random software crashes.
Bug fix	OpCon	G-SIM alarm "Send to Group" has no function	The function to send an alarm to a specific group did not always work accordingly to it's specification.
Bug fix	OpCon	No image displayed in OpCon when image is called over "ViewerConnect "play stop""	The Viewer Connect action with playmode "stop" was sometimes not executed accordingly which could cause a black viewer in the Operator and Remote Console.

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Bug fix	OpCon	NVR Failback is not working	Under special circumstances it could happen that the failback to the primary NVR was not recognized fast enough so that the OpCon still tried to open channels from the spare NVR.
Bug fix	OpCon	View alarm button not available anymore after once alarm displayed and closed	After closing and reopening the alarm listit could happen that the View alarm button was disabled.
Bug fix	OpCon	G-SIM Export not possible when exporting to an write only folder for the second time	Export now works also for users with reduced permissions because the viewer files don't get copied again if they already exist in the folder.