GEUTEBRÜCK

G-SIM

Software Version 12.0.0

Can be installed with an upgrade entitlement expiry date after December 1, 2025.

Release Notes

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Table of contents

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G-SIM Web API

The new G-SIM Web API is intended to lay the foundation for further developments in the interface and configuration area and to support connections with other systems. In its first version, the Web API supports the connection with G-Connect to enable the use and configuration of third-party map objects in ManCon and OpCon. Please note that the G-SIM Web API does not currently support the use of a G-SIM cluster or the Global function. Customers who have previously used a beta version of the Web API must first uninstall it manually!

Integration of third-party map objects using G-Connect

The new G-SIM Web API enables the use of third-party map objects that are connected to G-Connect. These can be added and configured within ManCon and mapped to objects on the third-party site. This enables the display and use of map objects such as doors, windows, gates, and similar within OpCon. This allows current statuses such as access alarms, opening and closing processes, and similar to be displayed and also controlled using a new context menu. Please note that the final functions always depend on the underlying third-party system!

G-SIM Global improvements (Also available with G-SIM 11.0.2 & G-SIM 10.2.2)

G-SIM Global has been stabilized and made more transparent. Global changes are now cached locally so that no data is lost in the event of a Kafka failure. Setup transfers can be triggered manually and are consistently displayed in Audit, Windows event logs, and ManCon. In addition, audit entries and event IDs have been expanded and two new tools, Data Statistic and Event Store Status, have been added to ManCon, providing a clear overview of setup data and the status of the event store. Furthermore, only the master agent establishes an AD connection, which prevents duplicate messages and synchronization errors. For more information on all adjustments made for Global, please refer to the release notes for G-SIM 11 & G-SIM 10.

Optimization of the map configuration

The existing configuration for maps within ManCon has been expanded with various new functions. Multiselect, bulk change, copy & paste, and other adjustments make configuration simpler and faster. Detailed information on the individual functions can be found in the overview.

Release Notes for the Main Features

Global monitor numbers

The configuration of the consoles within ManCon has been expanded to include global monitor numbers. These can be used to directly address specific monitors of an OpCon and switch on cameras/templates. The window for template selection in OpCon has also been expanded to include the option to show and hide these numbers on the OpCon windows. To enable support and use of global monitor numbers in G-SIM, the following new actions have been added to G-Core: GB__VCCHangeSceneByNameEx; GB__ViewerChangeSceneEx; GB__ViewerClearSceneEx; GB__VCClearSceneByNameEx The optional parameter "GlobalMonitorNr" is now available for all of these actions.

Flexible use of OpCon windows

It is possible to work with different operator consoles whose windows can be flexibly adjusted. This means that they can be minimized, maximized, or resized. It is also possible to move the windows so that they overlap. They can also be activated via the taskbar. The current status of the operator console windows is saved and automatically restored after a restart. To enable this flexible window handling, the "Allow flexible usage of OpCon windows" privilege must be activated.

Discontinuation & technical restriction of GSC support in G-SIM

Based on the discontinuation of GSC at the end of 2018 and the discontinued GSC support in G-SIM 11, the technical restriction has now been implemented. In G-SIM 12, it is no longer possible to configure and use all GSC, Re_Porter, and GeViScope systems and the cameras connected to them. If GeViSoft is used in your environment, please ensure that you install the 2010 x86 VC redistributable separately. These have been removed due to open security vulnerabilities in the VC redistributable used. A separate disclaimer provides this information again during the installation process!

End of development support for G-SIM version 10.x

G-SIM version 10.x is no longer supported by our development team, i.e., no further bug fixes or feature releases will be released.

Czech translation (Also available with G-SIM 11.0.2 & G-SIM 10.2.2)

The Czech translation has been completely updated and is now ready for use.

- Further information on all system requirements can be found in the partner portal!
- Further information on all new functions and improvements is available in the Partner Portal, the online help and from your Geutebrück partner!

G-SIM 12.0.0

Type	Module	Detailed Description
New Feature	ManCon	New privilege "Allow Connection to G-SIM Web API" has been added to restrict user access to the new G-SIM Web API.
New Feature	ManCon	The Hardis XML integration for the connection & metadata search of ATMs has been re-integrated into ManCon as part of this release.
New Feature	OpCon	Within OpCon, the MOS function has been adapted and extended to include a background variant. A MOS detection rectangle can be drawn and a new configuration menu can be used to set the time period and sensitivity (1–100%). The MOS then automatically starts creating a cut list with a progress bar. If no results are found, a corresponding pop-up message appears. Please note that AD and metadata must be enabled for each media channel in G-Core, in order to use this feature.
New Feature	OpCon	Replicated G-Core databases are now visible during footage export in OpCon.
New Feature	OpCon	A new mode for using alarm viewer groups has been added. The mode "Move new alarm to selected viewer group" means that the first/oldest alarm in the active viewer group is displayed and new alarms will be moved to the other selected viewer group. These are only displayed after the previous alarm has been resolved.
New Feature	System Wide	A new function for automatic user logout after inactivity has been added. The previous parameter Idle Logout Time in the system settings has been renamed to "Automatic OpCon User Logout after Inactivity" (default value: 60 minutes). This setting in the System Settings serves as the default for all other logout configurations. The dropdown menu "Automatic User Logout" has been added to the user and user group settings, with the options Use System Setting, Disable, and Custom. With Custom, a user-defined time (from 1 minute) can be entered. If a user is linked to a group, the group setting is applied and the user setting is deactivated.
Information	System Wide	The G-Core binaries have been updated to the latest version 8.3.2.1031. With this change it is possible to replay stereo sound in the OpCon.
Information	System Wide	Updated C++ Redistributables in G-SIM to the current version.
Information	System Wide	For security reason, the redistributables & packages of DotNetZip, CefSharp, OWIN, EF, System.Data.SqlClient were updated to current versions.
Information	System Wide	New logos implemented for the main login screen and help windows in OpCon and ManCon.
Improvement	Server	G-SIM can now also process SNMP alarms with SNMP protocol version V2.
Improvement	OpCon	The process data search of our OpCon was extended with the possibility to choose from a wider range of columns. This enables the operator to see and work with more information of process data from the database, which were not visible before.
Improvement	OpCon	The two-man rule login and logout process within OpCon has been optimized. The text boxes and checkboxes within the pop-up window are now disabled by default during the login or logout process to prevent unwanted entries. A progress bar has also been added.
Improvement	OpCon	Revised the cutlist and bookmark functions in OpCon. Buttons are now disabled by default and only become available based on user actions.
Improvement	OpCon	A button has been added to the context menu of the column header to reset columns to their default size and sorting.
Improvement	OpCon	Selected viewers in the OpCon viewer matrix can now be closed using the "Del" key on the keyboard.
Improvement	System Wide	Renamed labels in ManCon and OpCon to improve clarity of the "Rights Transfer" feature.
Improvement	System Wide	Unified the behavior and design of the help window across ManCon and OpCon when help files are not installed locally.
Improvement	Installer	A validation pop-up for the .NET redistributables has been added to the G-SIM installer and now notifies the user if they are missing.
Improvement	Installer	Added a checkbox in the G-SIM installer to select the installation of C++ Redistributables.
Improvement	Installer	Missing option for adding necessary default firewall rules for G-SIM.
Improvement	ManCon	New default map object type is now included in the list of map object entities after a fresh installation or update.
Improvement	ManCon	The option "Show tooltips of Map Objects" was added to the system settings and to the map settings itself. This functionality allows administrators to make Map Object Tooltips optional, so the administrator is able to check/uncheck them, if they are not needed to be shown on the map in the Operator Console
Improvement	ManCon	Added support for selecting all map objects of the same type using CTRL + A for easier bulk editing.
Improvement	ManCon	The menu on the right-hand side within the map configuration now dynamically adapts to the displayed components without obscuring the map.

G-SIM 12.0.0

Type	Module	Detailled Description
Improvement	ManCon	The selection field for the "Primary Map Name" of a map object in the map configuration of ManCon has been adjusted. The default value is the name of the map on which the map object is placed when it is created, in order to reduce the configuration effort.
Improvement	ManCon	Added support for copying map objects between maps to streamline placement and reduce setup time.
Improvement	ManCon	Added support for multi-selecting map objects to change their layer collectively, including moving them up, down, to the background, or to the foreground.
Improvement	ManCon	Templates in the template groups menu are now ordered alphabetically by template name.
Bugfix	OpCon	Issue where user restrictions persist after logging out, affecting G-SIM 9, 10, and 11.
Bugfix	OpCon	An Issue with OpCon where the process data cannot be fetched from the database due to an exception occurring during the query.
Bugfix	ManCon	Alarm Wizard creates an unnecessary duplicate alarm if two agents monitor the same site.
Bugfix	ManCon	An issue with the file explorer window not appearing on top when performing an import due to it potentially being overshadowed by ManCon.

G-SIM
System Requirements

SW&HW Requirements

The following table show the recommended minimum requirements for servers and clients of our software.

Please note that the recommendations for CPU are further below.

Due to the wide range of possible applications and use cases, additional factors may have to be taken into account that influence the system requirements.

If further factors apply to your system, please contact Geutebrück GmbH to validate the requirements of your system.

G-SIM Server	Memory	Free Space	MS .Net Framework	MS .Net Core	VC++ Redist
G-SIM 10, 11, 12	16GB	80GB	4.8	-	2015-2022
G-SIM Client					
G-SIM 10, 11, 12	16GB	8GB	4.8	6.0 (only for SAML)	2015-2022
G-SIM Web API					
V3.0	16GB	10GB	-	6.0	
Plugin Loader					
V1.0, V1.2, V1.3	8GB	10GB	-	8.0	-

Microsoft-Support

This table provides an overview of Windows versions that have been tested with the major versions of our software listed. We recommend using one of the Windows versions listed here. If this version is no longer supported by Microsoft, we recommend using a more recent version that has been tested by us.

Windows 10	22H2	LTSB 2016	LTSC 2019
G-SIM Server/Client			
G-SIM 10 / 11 / 12	Yes	Yes	Yes

Windows 11	22H2	23H2	24H2	25H2	LTSC 2024
G-SIM Server/Client					
G-SIM 10	No	No	No	No	No
G-SIM 11 / 12	Yes	Yes	Yes	No	Yes

Microsoft SQL	2014	2016	2017	2019	2022
G-SIM Server					
G-SIM 10	Yes	No	No	Yes	No
G-SIM 11 / 12	No	No	No	Yes	Yes
G-SIM Client					
G-SIM 10, 11, 12	N.A	N.A	N.A	N.A	N.A

Windows Server	2016	2019	2022	2025
G-SIM Server/Client				
G-SIM 10	Yes	Yes	Yes	No
G-SIM 11 / 12	Yes	Yes	Yes	Yes

Please note the following additions:

Ensure that you are using graphics drivers that are compatible with your version of Windows. Further information can be found on the Intel website.
Please also note that security vulnerabilities caused by outdated operating systems are not covered by our support services!

CPU & Drivers Overview

We recommend the following CPU and Intel graphic drivers for the usage of video rendering or decoding/encoding tasks. This applies to our G-Core servers with activated VCA or the client software. We cannot guarantee functionality and performance without the use of recommended drivers. GPU drivers are like any software, each new release can introduce performance and stability issues. If a problem appears at one point, we recommend to try to use a tested version. For older hardware please disable the "Direct 3D-11 Rendering" setting in the login settings of the OpCon or in the general settings of G-View. These drivers are not necessarily part of the G-SIM or G-Core installer.

Product Sortiment	Code Name	Processor Number	Processor Graphics	Graphic driver version	tested with	DIRECT3D-11 rendering activated	DIRECT3D-11 rendering deactivated
12th Generation Intel® Core™	Alder Lake	Core 12000 Serie Prozessor	Intel® UHD Graphics 770	31.0.101.4091 (Win 10 21H2)	G-Core 7 and 8	✓	
10th Generation Intel® Core™ i3	Comet Lake	Core 10300 Serie Prozessor	Intel® UHD Graphics 630	31.0.101.2115	G-Core 7.3 and 8.1		✓
9th Generation Intel® Core™ i3, i5 i7, i9 Prozessor	Coffee Lake	Core 9100 Serie Prozessor Core 9500 Serie Prozessor Core 9700 Serie Prozessor Core 9900K Serie Prozessor Xeon E-2244G Prozessor	Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics P630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
8th Generation Intel® Core™ i3, i5, i7 Prozessor	Coffee Lake	Core 8000 Serie Prozessor	Intel® UHD Graphics 630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
7th Generation Intel® Core™ i3, i5, i7 Prozessor	Kaby Lake	Core i3- 7100TE Prozessor 3.9Ghz Core i5- 7500 Prozessor 3.4Ghz Core i7- 7700 Prozessor 3.6Ghz	Intel® HD Graphics 630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
6th Generation Intel® Core™ i3, i5, i7 Prozessor	Sky Lake	Core i3- 6100TE Prozessor 2.7Ghz Core i5- 6500 Prozessor 3.2Ghz Core i7- 6700 Prozessor 3.4Ghz	Intel® HD Graphics 530	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
Intel® Xeon® Prozessor E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
Intel® Celeron® Prozessor J Serie	Gemini Lake	Intel Celeron J4105 2.5Ghz	Intel® UHD Graphics 600	31.0.101.2115	G-Core 7.3 and 8.1.1		✓

G-SIM Matrix

G-SIM Matrix

This overview shows our current interfaces and their dependencies on other products.

We recommend using the latest product versions and the corresponding interfaces, as otherwise not all features and functions can be guaranteed.

G-Core & G-SIM

Version	G-SIM 10.X	G-SIM 11.X	G-SIM 12.X
G-Core 6.X	Yes	No	No
G-Core 7.X	Yes	Yes	No
G-Core 8.X	Yes	Yes	Yes
G-Core 9.X	No	Yes	Yes

G-SIM Web API / G-Connect

Version	G-SIM Web API V 3.0	G-Connect V6.1.1
G-Core 6	No	Yes
G-Core 7	No	Yes
G-Core 8	No	Yes
G-Core 9	No	Yes

These drivers may not be part of the G-SIM installer. Please refer to the Geutebrück Knowledge Base for an up-to-date list:

https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html

Contact information

If you have any questions about the specific requirements of your system, you can contact Geutebrück GmbH:

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