GEUTEBRÜCK

G-SIM

Software Version 11.0.2

Can be installed with an upgrade entitlement expiry date after March 31, 2024

Release Notes

Table of contents

G-SIM 11.0.2

Type	Module	Detailed Description
Improvement	Agent	The Active Directoy integration was improved, that only the master Agent will establish a connection to the AD which prevents duplicate messages and other synchronization related issues.
Bugfix	Agent	The error caused the agent to crash in combination with GeViSoft.Important! In case of dual mode, both agents should be updated! Additional logging of dual mode can be enabled via Agent's config file <add key="AdditionalClusterMonitorTraces" value="True" />
Bugfix	Agent	An issue during the usage of "ViewerSetPlaymode" actions, which was sent twice in a cluster scenario.
Improvement	Audit	The audit of Global related actions was improved and extended: Audit log for every performed Global synchronization Windows event log for periodic sync Windows event log for manual pull Windows event log for forced re-sync.
Bugfix	Audit	An error that causes the filtering of the audit to return results that do not match the filter criterion under certain circumstances.
Bugfix	CamCheck	An issue that caused reference images created manually in the G-SIM OpCon not to be saved in the CamCheck service.
Bugfix	Export Service	The error caused the export service to crash during startup.
Improvement	ManCon	The button "force synchronization" for Global was changed to "Pull Global changes now".
Improvement	ManCon	The following improvements have been made to the setup in Global:The user can manually force the transfer of the local setup or selected parts of the local setup. The transfer of the setup is logged in the Windows event log and in the audit log. Messages about the start/stop of the setup transfer are sent to ManCon and displayed as pop-ups. Messages about the start/stop of global change retrieval are sent to ManCon and displayed as pop-ups. Global synchronization in the audit and logs is renamed to "Retrieve global changes".
Improvement	ManCon	The new menu "Data statistic" was added to the "Tools" section of the ManCon. With this, it is possible to view amount and details of setup information. Further it is possible to copy/paste the information for further analyses and to view the server from which the data is originated.
Improvement	ManCon	The "Event Store status" tool for Global was added to the ManCon Tool area. It is now possible to request the current state of the event store and to display all event store requests including if the Global synchronization is currently running. This tool is only visible if the Global feature has been activated before.
Bugfix	ManCon	An error in which the custom action XML was removed after reinstalling the system.
Bugfix	ManCon	An issue in the ManCon, in which it is not possible to save the setup if a map with "/" in the name was added before.
Bugfix	ManCon	An issue in the ManCon, which prevents the selection of cameras for the camera failover, as the "Is Failover" checkbox could not be checked.
Bugfix	ManCon	An error which meant that the ManCon could be connected to the G-SIM server with a known Windows user without a password. In addition, it was also possible to change Active Directory users as an administrator.
Bugfix	ManCon	Minor issue in G-SIM client setup where removing events in the process data filters tab may cause parameters to shift or disappear.
Bugfix	ManCon	An issue when one map has been changed and setup saved in ManCon, all maps on server side has been updated. This led to multiple Kafka messages and long synchronization in case of a higher amount of maps.
Bugfix	ManCon	An issue of Global that if one map was updated, all other were treated as updated including multiple messages to Kafka.
Bugfix	ManCon	An issue with the save button in the ManCon, which made the button active the whole time after a map has been changed.
Bugfix	ManCon	An issue with the ManCon merge dialog which displayed all maps as changed, even though it wasn't the case.
Bugfix	ManCon	An issue with the red dot indicator in the ManCon, which wasn't shown in case of restrictions with wrong or missing configuration.
Bugfix	ManCon	A problem with Active Directory synchronization that resulted in updates to user permissions, including multiple Kafka messages, even though they had not been updated.
Bugfix	ManCon	An issue with the synchronization in case a map name has a too long name. Length-related adaptation: Due to referencing the map name, the length was adjusted to a maximum of 60 characters.
Bugfix	ManCon	An issue which led to server crash if a map name has been changed.
Bugfix	ManCon	An issue with cloning a User Group with LDAP Group assigned to it, which led to a G-SIM User group its assigned LDAP group removed.
Bugfix	ManCon	With G-SIM Global, the "May connect to global servers" privilege also controls the "Remote" tab in the template selection in the OpCon. The name of the privilege has been changed to "May request data from Global Servers".
Bugfix	ManCon	An issue in the ManCon which caused the save button to become active when a user performs login without "Remember password" option.

G-SIM 11.0.2

Type	Module	Detailled Description
Bugfix	ManCon	The error caused ManCon to freeze for a long time when scrolling through the camera list.
Bugfix	OpCon	A bug that caused the audio from another camera to play in a media channel without audio.
Bugfix	OpCon	Miscommunication between ManCon and OpCon, where ManCon-created thumbnails do not appear in OpCon.
Improvement	OpCon	The spaces in the OSD display of the OpCon has been improved for a better readibility.
Improvement	OpCon	The parameters for audio/video synchronization during PTZ control can now be set in the OpCon configuration. They are saved on a user-specific basis.
Improvement	OpCon	The new setting in the ManCon "Bookmark Usage Mode" allows you to set the behavior of the viewer when a bookmark is selected. It is possible to choose from three different modes: "Apply Timestamp to all Viewers with Bookmark Camera" "Apply Timestamp to selected Viewer" "Apply Timestamp & Camera to selected Viewer" Please visit the online documentation for more information on how to use this feature!
Bugfix	OpCon	An error that causes the correct map to not always be displayed when localizing a map object.
Bugfix	OpCon	An error that causes the secondary server to crash in a G-SIM cluster connected to a global system if the password has been changed.
Bugfix	OpCon	An Issue where the date-time format is not implemented correctly.
Bugfix	OpCon	An Issue where the user cannot log out using the "Logout" or "X" button in OpCon, apparently due to an issue with the G-SIM App Instance Manager.
Bugfix	Opcon	An issue with customized audit filters always exporting "My 2 hours" instead of the customized filter.
Bugfix	OpCon	An error that causes PTZ camera preset positions from the OpCon not to be saved when the server is working in a global environment.
Bugfix	OpCon	An issue with the order criteria of the alarm list in G-SIM 11 not being identical to G-SIM 10.
Bugfix	OpCon	An issue in the OpCon. where the whole OpCon gets frozen during taking of alarms with the "Take" button to acknowledge them.
Bugfix	OpCon	An issue in the OpCon, where a crash happens due to Viewer Sync with 16 viewers. The crash actually happens after a click on the "sync" button in OpCon and not when the sync is running.
Bugfix	OpCon	An error that caused audio from all viewers to be heard simultaneously when viewers are synchronized.
Bugfix	OpCon	An error in the OpCon, which occurs when switching between live view and database playback when the material comes from the primary and failover server.
Bugfix	OpCon	An error that causes the printout of filtered alarms not to be possible.
Bugfix	OpCon	An error in the OpCon where no alarms can be closed if they contain alarm action.
Bugfix	OpCon	Issue where OpCon becomes unresponsive after a certain period.
Bugfix	OpCon	An issue with the OpCon alarm handling, which prevents the completion and correct selection of multiple alarms.
Bugfix	OpCon	A bug that causes a newly set password of a user in a G-SIM Global network not to be synchronized with one or more Global Servers, so that the user still has to use the old password when logging on to another server. Note: After the software update, the user's password must be changed again so that the change is synchronized on all servers.
Bugfix	OpCon	An issue in the OpCon, which prevents it to close properly by using the "X" button.
Bugfix	OpCon	An currently not fully investigated issue of G-SIM, which led to a stucked loading screen in the OpCon. This happed in combination with a faulty G-Core NVR in a specific customer system.
Bugfix	OpCon	An issue in the OpCon, where the alarms in viewergroups are not displayed consistent to the playmode which is selected.
Bugfix	OpCon	An issue with the alarm report of the OpCon, where the header row is missing in the report.
Bugfix	OpCon	Issue where the alarm query in OpCon is limited to 2000 alarms.
Bugfix	OpCon	Playforward gets stuck when a recording is played forward within an access restriction.
Bugfix	OpCon	Issue where cutlist entries are incorrectly created when dragging text in edit mode or moving existing cutlists.
Bugfix	OpCon	Issue where dragging text in the description field during edit mode unintentionally moves a camera from the cutlist instead of selecting the text.
Bugfix	OpCon	Issue where a camera added to a cutlist can no longer be viewed live, as it always redirects to the cutlist section when placed in a viewer.

G-SIM 11.0.2

Type	Module	Detailled Description
Bugfix	OpCon	An error that causes the OpCon to crash randomly.
Bugfix	OpCon	An error that caused the OpCon to crash if a recording of a camera that was not activated in G-SIM or was not allowed to be viewed by the user due to a restriction was to be shown in a viewer.
Bugfix	OpCon	An error that causes the action "ViewerConnectLive" to use the set global camera number although an offset has been set for the console in the G-SIM Global network.
Bugfix	OpCon	An issue which led to a non visible icon to indicate if a cutlist was exported successfully or not.
Bugfix	OpCon	An issue which led to non working export of video footage from a GeViScope server.
Bugfix	OpCon	An issue which causes the column sizes of the tab menu to go back into the initial state after logout without saving changes.
Bugfix	OpCon	An error that causes the cutlist time to be reset to 30 seconds after a G-SIM server restart.
Bugfix	OpCon	Bugfix: OpCon:A bug that causes the OpCon to hang and become inoperable when using Area Zoom.
Bugfix	OpCon	An error that caused a video to jerk during playback if several clients accessed the video at the same time.
Bugfix	OpCon	An issue with the tours in the OpCon, where changes after the initial saving are not saved properly.
Bugfix	OpCon	An error that causes the multi-tenancy capability in G-SIM 11 not to work.
Bugfix	OpCon	The behavior of "Sections" has been adapted to the previous versions.
Bugfix	OpCon	An issue which led to a non working multiselect in the camera blocking filter.
Improvement	Server	The following event IDs have been added:1002Connection to the G-SIM Server database can not be established 1003Connections to the G-SIM Server databases are not configured 1004Another instance of G-SIM Server is already running 1005Unknown error
Improvement	Server	An intermediate table for all Global synchronization changes was added to store them locally before they are pushed to the Kafka network. This prevents that all synchronization changes are lost if Kafka is not connected in this moment.
Bugfix	Server	An issue in G-SIM Global, where users from other Global servers are being deleted if the XML key for the resync is activated and the G-SIM server is restarted.
Bugfix	Server	An error that caused an expired license not to stop the G-SIM application.
Bugfix	Server	An error in the server, which crashes due to a customized NVR failover configuration.
Bugfix	Server	An error that prevents a connection to the G-SIM server from being established.
Bugfix	Server	An issue where users that are deleted in global servers still appear in other servers, even if the users are deleted manually in all global servers where they are present.
Bugfix	Server	An issue with G-SIM Global, where freshly set user passwords are not working after the server syncronization.
Bugfix	Server	A critical vulnarability has been fixed.
Bugfix	Server	An issue with the hardcoded DB naming which led to synchronization issues in case of re-naming.
Bugfix	Server	A bug that caused the G-SIM server to crash when an alarm was triggered by a GeViSoft event.
Bugfix	Server	An issue which caused a private guard tour to be not displayed after activating the "Edit/View Private Guard Tours" privilige.
Bugfix	Server	By design, all unhandled SNMP alarms are now catched by default GeViRAID Failure alarm. Customer can set ReportAllAlarms to False to disable this behavior

- Further information on all new functions and improvements is available in the Partner Portal, the online help section, and from your Geutebrück partner!

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G-SIM
System Requirements

Introduction Notes:
For larger projects, the general conditions under which the system is operated must be analysed individually.
For this, contact Geutebrück GmbH directly so that recommendations specifications can be made.

The following tables show the recommended minimum requirements for servers and clients of your system. 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. You will find information on this in the general recommendations. If the factors mentioned there apply to your system, please contact Geutebrück GmbH to validate your system requirements.

G-SIM Server Minimum Requirements

System Size Definition

- Small system:
  Systems with less than 5 recorders, 5 OpCons or less than 100 cameras.

- Large system:
  Systems with more than 5 recorders, 5 OpCons or more than 100 cameras. Additionally, systems which include a cluster or Global configuration.

Component	Small System	Large System
Operating System	Windows 10&11	Windows Server 2016/2019/2022
CPU	Min. Intel i7 Kaby Lake	Min. Server CPU Xeon E3 1275 V6 up, i7
Microsoft SQL Server	SQL Server Express 2019/2022	SQL Server Standard 2019/2022
Memory	16 GB	min. 32GB, recommended >= 64GB
Free Space	80 GB	80GB + 20GB for Global (Kafka) depending on database model
Microsoft .Net Version	4.8 (.Net 8 (LM))	4.8 (.Net 8 (LM))
Network Interface	1Gbit/s	1Gbit/s

Additional Information to the minimum server requirements:
- No GPU necessary, as long as no client is used.
- We recommend using the current G-ST hardware generation, furthermore a Global installation is only supported on G-ST hardware.
- Please note that administrator rights are mandatory for the usage of the G-SIM server!

G-SIM
System Requirements

G-SIM Client Minimum Requirements

Component	Valid for all systems
Memory	16 GB
Free hard disk space	8 GB
CPU support	Min.7. Generation Intel Core i5 (min. 2,4 GHz) or higher
GPU	Intel GPU Consider the CPU and graphics driver recommendations listed below
Operating system	Windows 10 (1809, 21H2, 22H2), Windows 11 (22H2, 24H2), Windows Server 2016, Windows Server 2019 (1809), Windows Server 2022 (21H2)
Micrososft .Net Version	4.8
Network Interface	1Gbit/s

- **Additional Information to the minimum client requirements:**
  These values are a recommendation if no other third party services are running on this hardware.
  Influencing Factors and Recommendations
  The following factors influence the system load and accordingly the system requirements. If your system meets one or more of these criteria, please contact Geutebrück GmbH to validate your system requirements.

Influencing factors	Recommendation
System with many G-Core Actions	Use of several agents.
System with multiple agents	Microsoft SQL Server Standard and Windows Server 2016 / 2019 /2022 operating system.
Use of Microsoft SQL Server Standard	Microsoft SQL Server Standard can use several CPU cores, so that the CPU load can be distributed over several cores. This must be considered when selecting the hardware
System with retriggered events, creation of new event instances	Increased system requirements
System with >5 alarms per minute or complex alarm configurations (viewer group alarms, database playback, metadata display, etc.)	Increased system requirements
System with >5 events per second or complex event display with database search	Increased system requirements
Parallel use of the process data search on several clients	Increased system requirements
Global System - Interconnection of several G-SIM installations	Increased system requirements
System running in a virtual environment	Increased system requirements
System with 3rd party services and applications	Increased system requirements

G-SIM
System Requirements

HARDWARE RECOMMENDATION:

We recommend the following CPU and Intel graphic drivers. 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.

View Stations:

For older hardware please disable the "Direct 3D-11 Rendering" setting in the general section of the OpCon login screen settings.

DIRECT3D-11 rendering activated:

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version
12th Generation Intel® Core™	Alder Lake	Core 12000 Serie Processor	Intel® UHD Graphics 770	31.0.101.4091 (Win 10 21H2)

DIRECT3D-11 rendering NOT activated:

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version
10th Generation Intel® Core™ i3	Comet Lake	Core 10300 Serie Processor	Intel® UHD Graphics 630	31.0.101.2115
9th Generation Intel® Core™ i3, i5, i7,i9 Processors	Coffee Lake	Core 9100 Serie Processor Core 9500 Serie Processor Core 9700 Serie Processor Core 9900K Serie Processor Xeon E-2244G Processor	Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics P630	31.0.101.2115
8th Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630	31.0.101.2115
7th Generation Intel® Core™ i3, i5, i7 Processors	Kaby Lake	Core i3- 7100TE Processor 3.9Ghz Core i5- 7500 Processor 3.4Ghz Core i7- 7700 Processor 3.6Ghz	Intel® HD Graphics 630	31.0.101.2115
6th Generation Intel® Core™ i3, i5, i7 Processors	Sky Lake	Core i3- 6100TE Processor 2.7Ghz Core i5- 6500 Processor 3.2Ghz Core i7- 6700 Processor 3.4Ghz	Intel® HD Graphics 530	31.0.101.2115
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	31.0.101.2115
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5Ghz	Intel® UHD Graphics 600	31.0.101.2115

G-Core / G-SIM Matrix – Version Recommendation

G-Core \ G-SIM	8.5.2	8.8.1	9.3.0	9.4.0	10.0.0	10.1.0	10.2.0	11.0.0
4.0.2	X	X						
5.0.0		X	X					
6.0.0			X	X				
6.1.0				X	X	X	X	
7.x				X	X	X	X	X
8.x					X	X	X	X

We recommend the version pairs marked with a green „X" for:

- Optimal compatibility between G-Core and G-SIM
- Mutual support of new features, improvements and performance

Bugfix releases are enclosed in the respective version pair (e.g., 9.4.3 in 9.4.0)
Red marked version pairs are generally possible but did not fully provide the compatibility between the separate software parts!

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:

Geutebrück GmbH

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