GEUTEBRüCK

G-SIM

Software Version 11.0.1

Release Notes

Table of contents

G-SIM 11.0.1

Type	Module	Detailled Description
Bugfix	Agent	An issue with the G-SIM Agent, which led to long delays before an alarm could be created properly.
Bugfix	Cam Check	An issue with the CamCheck service in G-SIM, which could lead to a crash in the CamCheck service if the reference image in G-SIM was removed for a camera.
Bugfix	G-SIM Failover	An issue when creating or updating NVR failover pools that prevents NVR's from being re-added to a pool if they were previously deleted from a pool or the pool was deleted.
Bugfix	Installer	A problem with the G-SIM installer which caused the wrong version of the license manager to be installed.
Bugfix	Licensing	A problem with the activation date of G-SIM 11, which led to license problems, has been fixed by adjusting the activation date.
Bugfix	ManCon	An issue with the Global functionality, which could lead to a "Global license missing" notification in the ManCon during the cluster configuration, even if there was no Global configuration previously made.
Bugfix	ManCon	An issue where the ManCon could crash unexpectedly after changing the "Viewer Action Mode".
Bugfix	Maps	An issue with the locate functionality of the OpCon, which leads to showing the wrong map for the chosen camera. To fix this issue on already existing setups administrators should make any changes in map objects or maps.
Bugfix	OpCon	An issue with the GBF format which leads to an incorrect time if the GBF file is opened in the OpCon.
Bugfix	OpCon	An issue with the camera icons in the OpCon camera list, which could lead to empty tooltips when hovering with the mouse over an icon.
Bugfix	OpCon	An issue with the PTZ control functionality in the OpCon, which could lead to a situation where the camera is unable to zoom, but still the pan and tilt is working. 0 value for the PTZ Control Auto Timeout means disable of automatic deactivation. 0 value for the PTZ Control Home Timeout means disable of automatic return to Home Position.
Bugfix	OpCon	An issue with the functionality to stop G-Core events over the OpCon, which could lead to a not stopped event on G-Core side.
Bugfix	OpCon	A problem when updating or creating cutlist entries, which prevented multiple entries of different times from being created for the same camera.
Bugfix	OpCon	A problem with camera bookmarks that prevented bookmarks from being created after bookmarks had been added to a cutlist.
Bugfix	OpCon	A problem in the alarm list of the OpCon, which led to unusable radio buttons.
Bugfix	OpCon	An incorrect display of parameters (True/False) in the OpCon process data list has been fixed.
Bugfix	OpCon	An issue with the date format not updating in OpCon when adjusted in ManCon.
Bugfix	OpCon	A problem with the timeline display in the OpCon, whereby the last position was not saved correctly after logout.
Bugfix	OpCon	A problem with the OpCon translation which affected several parameters and headings in the OpCon tab list.
Bugfix	OpCon	An issue with the alarm indicator of the OpCon tab list, which caused the indicator to remain red regardless of whether all alarms were completed.
Bugfix	OpCon	An issue with the two man rule in combination with privilige groups, which led to the display of individual user priviliges instead of the group priviliges.

G-SIM 11.0.1

Type	Module	Detailled Description
Bugfix	Privileges	An issue in the privileges for camera and playback use has led to these being adjusted accordingly. "View Cameras" The user is able to see the Cameras tab and may view a list of all the available cameras to view their streams in the viewers. "View Live Video" The user may play the live video stream of a selected camera. Further, the user may view live video streams of cameras in populated templates even without the "View Cameras" privilege. "Playback Control" The user may play back the video footage of a selected camera and is able to see the playback controls. Further, the user may view recorded video footage of cameras in populated templates even without the "View Cameras" privilege. "View Archived Video Footage" The user may view archived video footage and images is able to see the Archive tab.
Bugfix	Process Data	An issue with the "Process Data Look Up Mode" where the behaviour was due to that, different to the previous versions.
Improvement	ManCon	The thumbnail creation for media channels in ManCon has been improved so that they now use the exact time of the click for the thumbnail instead of a delayed image when the button is clicked.
Information	G-SIM Webbrowser	The Chromium library, used in the webbrowser integration, was updated successfully to the current version (126.2.70).

Subsequent bug fixes in the latest hotfix version:

- Bugfix for potential server crash after alarm takeover or completion in single mode or alarm syncronisation in cluster mode.
- Bugfix for black bars beneath the viewers in a ReCon.

> Note:
>
> 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

		Number Recorder		Number OpCons		Number Cameras		Cluster Installation	Global System
		<5	>5	<5	>5	<100	>100		
Operating System	Windows 10&11	X		X		X			
	Windows Server 2016 /2019 / 2022		X		X		X	X	X
CPU	At least Intel Core i7 Kaby Lake	X		X		X			
	At least Server CPU Xeon E3 1275 V6 up		X		X		X	X	X
Microsoft SQL Server	SQL Server Express 2019/2022	X	X	X	X	X	X		
	SQL Server Standard 2019/2022							X	X
GPU	No GPU necessary as long as no G-SIM client is installed.								
Memory	16 GB								
Free hard disk space	80 GB								
Microsoft .Net Version	4.8								
Network Interface	1Gbit/s								
Hardware Generation	We recommend the usage of the current G-ST generation, nevertheless a Global system is only supported on G-ST hardware.								

Systems with increased system requirements use Windows Server OS with a corresponding system platform.

GEUTEBRüCK

G-SIM
System Requirements

G-SIM Client Minimum Requirements

Memory	16 GB
Free hard disk space	8 GB (6 GB free)
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), Windows Server 2016, Windows Server 2019 (1809), Windows Server 2022 (21H2)
Micrososft .Net Version	4.8
Network Interface	1Gbit/s

* 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

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		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	Skylake	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	G-SIM							
Version	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

Department Presales Call: +49 2645 1370

E-Mail: info@geutebrueck.com