GEUTEBRüCK

G-SIM

Software Version 10.0.1

Release Notes

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G-SIM 10.0.1

Type	Module	Detailed Description
Improvement	Usability	Service names, Display names and Descriptions of G-SIM in Windows were adapted with capital letters and hyphen.
Improvement	Usability	The folder name from the G-SIM installation has been adjusted to the normal wording of "G-SIM" with capital letters and hyphen.
Bugfix	OpCon	An issue in the tabs of the OpCon was fixed, which leads to incorrect tooltip texts if the mouse cursor hovers above a button.
Bugfix	OpCon	An issue in the archive tab of the OpCon was fixed, which leads to incorrect sorting of date and time.
Bugfix	OpCon	An issue was fixed, where the custom buttons still sending the older action after a configuration change.
Bugfix	OpCon	An issue with the alarm handover was fixed, which leads to a removed alarm on one console if it was taken on another console independent of the setting "Remove alarm on other console: On Complete".
Bugfix	OpCon	An issue was fixed where OSD-Information in MP4-Export is only available as subtitles.
Bugfix	OpCon	A bug in the OpCon was fixed which caused the sorting of columns in the table list to not work correctly when a column was hidden.
Bugfix	OpCon	An error in the SAML configuration was fixed, which caused that the user data was not displayed.
Bugfix	OpCon	A bug in the OpCon was fixed which caused the Guard Tours configuration to not be saved correctly when the focus was changed to a viewer.
Bugfix	OpCon	An error in the OpCon was fixed, which caused that process data events could not be played in the loop.
Bugfix	OpCon	A bug in the OpCon was fixed, which led to a not working SFTP in combination with G-IES.
Bugfix	OpCon	A bug in the OpCon was fixed, which led to a PTZ homeposition which could not be changed in the OpCon.
Bugfix	OpCon/ReCon	An issue with the action "Change map by name" was fixed, which leads to the display of an error message "map could not be loaded" if a map was called.
Bugfix	Populated Layout	An issue with the global number offset was fixed, which leads to the case that only the defined number is working instead of the configured offset.
Bugfix	ManCon	A bug in the ManCon was fixed where it crashed when the name of a mapobject was deleted.
Bugfix	ManCon	An issue in the ManCon has been fixed that causes clones of an alarm to be deleted when the original alarm is deleted.
Bugfix	ManCon	A bug in ManCon was fixed, which caused LDAP groups to be invisible.
Bugfix	ManCon	A bug in the ManCon was fixed, which led to a not working export of maps.
Bugfix	Failover	An issue with the failover mechanism which leads to the display of wrong camera footage if past recordings are viewed after a failover scenario. IMPORTANT: To fix issue on customers setup failover configuration should be updated by clicking on the "Update configuration" button.
Bugfix	OSD	A bug with the OSD data has been fixed, which caused overlapping in the viewer when using 4k resolutions.
Bugfix	Server	An issue was fixed with the app instance manager which leads to an unencrypted trigger call for ReCon restart.
Bugfix	Server	A bug in the server was fixed, which caused that alarms with names over 100 characters were not saved correctly in the DB.
Bugfix	PD	A bug in the OpCon in combination with the new limited user privilege has been fixed, which resulted in playing the entire image content instead of limiting it to the event period.
Bugfix	Global	A bug in relation with Global was fixed, which led to a not showing main map in the OpCon.
Bugfix	Cam Check	A bug in relation with the Cam Check was fixed, which led to a not configurable Cam Check instance.

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Release Notes for the Main Features

Support new G3 hardware

G-SIM now also supports the new device variants G-ST 3000+ and G-ST 6000+ with the new G3 mainboard.

> Note:
>
> For larger projects, the general conditions under which the system is operated must be analysed indi-vidually. 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	X		X		X			
	Windows Server 2016 / 2019		X		X		X	X	X
CPU	Intel Core i7 Kaby Lake	X		X		X			
	Server CPU Xeon E3 1275 V6 up		X		X		X	X	X
Microsoft SQL Server	SQL Server Express 2014/2019	X	X	X	X	X	X		
	SQL Server Standard 2014/2019							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.

G-SIM Client Minimum Requirements

Memory	16 GB
Free hard disk space	8 GB (6 GB free)
CPU support	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
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 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

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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

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	27.20.100.9466 DCH (Win 10 21H1)
9. 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	27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win Serv 2019 1809)
8. Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630	25.20.100.6519 DCH (Win 10 1809)
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	26.20.100.7263 (Win 10 1809) 26.20.100.7584 (Win 10 1809, DCH)
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	27.20.100.8682 (Win 10)
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	21.20.16.4678 (Win Serv 2016, Legacy)
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5 Ghz	Intel® UHD Graphics 600	27.20.100.9168 (Win 10 1809)

G-Core / G-SIM Matrix – Version Recommendation

G-SIM					
Version	8.5.2	8.8.1	9.3.0	9.4.0	10.0.0
4.0.2	X	X			
5.0.0		X	X		
6.0.0			X	X	
6.1.0				X	X
7.1.0				X	X
7.2.0				X	X

(G-Core is the vertical row axis label)

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!

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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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