

GEUTEBRÜCK

G-SIM

Software Version 10.1.0

Release Notes

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Type	Module	Detailed Description
Bugfix	OpCon	A bug in the use of the function that users could not change their password when starting the OpCon.
Bugfix	MBEG+	An issue with the MBEG+ in combination with the OpCon, which leads to non working movement of an fisheye camera via the PTZ controls.
Bugfix	CamCheck	A bug in the CamCheck interface of G-SIM, which led to a non-functional configuration and display.
Improvement	Audit	The audit functionality has been improved within the video export, which now displays successful or failed exports with their respective error reason.
Improvement	Audit	The audit functionality has been extended by additional entries for the G-SIM setup. This concerns the export, import and adjustments to the setup triggered by an import.
Improvement	ManCon	All comboboxes of the ManCon have been improved in their sorting, so that they now all reflect the contents in alphabetical order.
Improvement	ManCon	The parameter editing within the ManCon tables has been extensively adapted with a new design. This allows an easier differentiation between the individual parameters. Furthermore, there is now a double-click function to start a direct editing of the parameters.
Improvement	ManCon	The event list in the ManCon alarm configuration has been improved by an alphabetical sorting.
Improvement	ManCon	The ManCon was improved with new colors for buttons for better differentiation and usability.
Improvement	OpCon	The OpCon now saves manual changes to the tab menu layout, even if the respective operator should have logged out.
Improvement	OpCon, ReCon	The button frames for the viewer ID and the global number in the template selection for OpCon & ReCon have been enhanced with new golden frames representing the activation of the respective functions.
Improvement	OpCon	In preparation for the upcoming audio transmission feature, the icon for the video sound was changed to a speaker to avoid duplicate usage of symbols. In a later release the alarm sound button will also be changed.
Information	OpCon	The Camera Sync State feature, which was removed for version 10.0.1, has now been reintegrated into G-SIM after some improvements. A new setting in the System Settings now allows to enable or disable the feature.
Information	Installer	The folder structure after installing G-SIM has been adjusted so that now the path to the SQL Installer is consistent with the G-Core installation directory.

Release Notes for the Main Features

End of development support for G-SIM version 8.x

G-SIM in version 8.x will be no longer supported from our development, which includes no further bugfix or feature releases.

Price adaption of our Web Browser Integration Option

In context of our new release 10.1, we reduced the price of our Web Browser Integration Option to 349€.

Direct PTZ Control in Viewer

Operators are now enabled to directly control a PTZ camera after dragging the channel into the viewer if the associated setting "Activate PTZ Control on Viewer Selection" was activated.

This reduces the needed control time in time critical situations.

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	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.

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System Requirements

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
Microsoft .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-Core	G-SIM						
	Version	8.5.2	8.8.1	9.3.0	9.4.0	10.0.0	10.1.0
	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	X
	7.2.0				X	X	X
	8.0.0*					X	X

*Upcoming version

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:

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