

GEUTEBRÜCK

G-SIM

Software Version 10.0

Release Notes

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G-SIM 10.0

Software	Type	Short Description	Detailed Description
Improvement	OpCon	New G-SIM logos	The new and current logos of G-SIM are now integrated in the login screen and info window of the OpCon.
Bugfix	OpCon	Correct sorting of cameras by their global number	The cameras in the camera tab of the OpCon can now be sorted and displayed correctly by their global number.
Bugfix	OpCon	Non working drag&drop with process data	An issue with the process data search was fixed, which led to a non working drag&drop function.
Bugfix	OpCon	Non working canceling of process data search	An issue with the process data search was fixed, which led to a non working cancel action.
Bugfix	OpCon	Missing map image in templates	An issue with templates was fixed that caused map images to not be displayed in templates that only allow maps.
Bugfix	OpCon	Incomplete alarm with zoomed map	An issue with the alarms was fixed, which led to the issue that alarms could be no be completed if a map was zoomed in.
Bugfix	OpCon	Inconsistent restrictions	A problem with the restrictions was fixed, which led to incorrect display of alarms.
Bugfix	OpCon	Loop in process data	An issue related to the process data was fixed, which led to a reoccurring loop if it is deleted beforehand.
Bugfix	OpCon	Not working template definition	An issue related to template definitions was fixed, which led to the display of cameras on map only templates.
Bugfix	OpCon	Wrong display of login screen with 4K resolution	An UI related issue was fixed, which led to a different viewing experience of the OpCon login screen in combination with a 4k resolution.
Bugfix	OpCon	Wrong display of main screen with 4K resolution	An UI related issue was fixed, which led to a different viewing experience in the main view of the OpCon in combination with a 4K resolution.
Bugfix	OpCon/ReCon	Issue with Alarm Groups	An issue related to alarm groups was fixed, which led to incorrectly shown loops if previously an OpCon or ReCon was switched to a ReCon or OpCon.
Bugfix	ReCon	Playmodes in ReCon	An issue related to the ReCon was fixed, which led to the display of working playmodes inside the viewer.
Bugfix	Global	Synchronization problems in different time zones	An issue was fixed that caused synchronization problems in Global with servers in different time zones.
Bugfix	ManCon	Missing export of custom buttons	A problem with the setup saving was fixed, which led to the missing export of custom buttons.
Bugfix	ManCon	Missing media source validation	An issue with the ManCon validations was fixed, which led to a missing validation after a media source was deleted.
Bugfix	ManCon	OSD settings could not be saved	An issue related to the OSD console settings was fixed, which prevents the setup from saving after a change of the OSD of a console.
Bugfix	MapObject	Not working blocking filter after failover	An issue related to the blocking filter was fixed, which led to non-working blocking filters after a NVR failover scenario.
Bugfix	MapObject	Not working visual switch of buttons	An issue with the map object buttons was fixed, which led to a wrong display of the current contact state on the button, nevertheless that the contact itself changes correctly.

SAML Authentication

With the standard integration of SAML (Security Assertion Markup Language), G-SIM offers another authentication method for users in addition to the well-known Active Directory.

Centralized user management systems, so-called IDPs, can now be integrated into G-SIM using SAML.

This allows the use of existing user accounts within OpCon and other applications which have SAML integration.

Instructions for installation and configuration can be found in the online help.

4K Support

All G-SIM consoles now support monitors with 4K resolutions and Windows scaling up to 300%.

Please note our recommendations below:

We do not recommend changing resolutions while a console is running.

We recommend a uniform resolution when using monitor walls or multiple monitors simultaneously.

Borderless Viewer

For OpCon and ReCon it is now possible to hide the frames of the viewers, similar to the function from G-View.

This leads to more overview and focus on the video material, especially during the usage of monitor walls.

New Password Policy

The password policy of G-SIM has been adapted to several points and offers an even higher security aspect than before.

The policy has been aligned with G-Core and now has additional password checks when creating and changing a password.

More information can be found in the online help.

Camera Sync State

The camera tab of the OpCon is now able to display the status of the synchronization of a camera, as it was previously only possible within a map.

The status is visualized per camera analog to the map with a yellow lightning symbol.

Manual Cutlist Times

The use of the cutlist has become even more flexible and now has the possibility to manually adjust the duration of each entry.

The configurable default value for the duration of entries is still available in the ManCon.

Installer Optimizations

The G-SIM installer has been adjusted and simplified in several places.

The "Enhanced Security Mode" introduced with G-SIM 9.4 has been removed and automated as previously announced, so that G-SIM now automatically responds to the activation of FIPS in Windows.

Furthermore, any compatibility mode has been removed, to simplify the compatibility structure, environment performance and upgrade paths in upcoming releases.

Color Marking of Process Data

A new filter function has been added as part of the process data search.

This function allows the operator to search for specific text phrases including the use of wildcards.

Process data that contains the searched text phrase will be highlighted in color and duplicates such as the same license plate in the same color.

Event Only Playback for Process Data

With the new privilege "Video Footage restricted to Process Data" it is possible to restrict the playback of video footage to process data.

Users with this privilege enabled can only playback video footage that is associated with the selected process data.

Further information can be found in the online help.

Process Data Export

After the process data search has been completed, it is now possible to export the results in different formats.

You can choose whether the data should be exported as plain text in tabular form or in the layout of the process data tab.

Adjusted MBEG PTZ Control

Via a new option within the ManCon it is now possible to change the mode for controlling PTZ cameras.

The administrator can choose between the new direct control and the previous variant with F2 activation.

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.

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

For maximum supported system sizes, please refer to the technical data and clarify these with Geutebrück GmbH before planning the system.

CPU and graphics driver recommendations

We recommend the following CPU and Intel graphics drivers. We cannot guarantee functionality and performance without using the recommended drivers. Any new version may cause performance and stability problems.

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version	Graphic Driver Version
10th Generation Intel® Core™ i3	Comet Lake	Core i3000 Serie Prozessor	Intel® UHD Graphics 630		27.20.100.9466 DHC (Win 10 21H1)
9. Generation Intel® Core™ i3, i5, i7, i9 Processors		Core i900 Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Core i9500 Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Core i9700 Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Core i9900K Serie Processor	Intel® UHD Graphics 630		27.20.100.9168 DHC (Win 10 1809)
		Xeon E-2244G Processor	Intel® UHD Graphics P630		27.20.100.9168 DHC (Win Serv 2019 1809)
8. Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core i8000 Serie Processor	Intel® UHD Graphics 630		25.20.100.6519 DHC (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	21.20.16.4678 (Win 10 1607)	26.20.100.7263 (Win 10 1809, Legacy) 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	21.20.16.4639 (Win 8.1)	
4th generation Intel® Core™ i3, i5, i7 Processors	Haswell	Core i3-4330 Processor 3.5Ghz Core i5-4570S Processor 2.9Ghz Core i7-4770S Processor 3.1GHz	Intel® HD Graphics 4600	15.36.28.4332 (Win 8.1)	20.19.15.4377 (Win 10 1607)
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	21.20.16.4678 (Win Serv 2016)	
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5 Ghz	Intel® UHD Graphics 600	25.20.100.6582 (Win 10 1607)	

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
	4.0.2	X	X			
	5.0.0		X	X		
	6.0.0			X	X	
6.1.0					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. 9.4.1 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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