

GEUTEBRÜCK

G-SIM

Software Version 9.4.0

Release Notes

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G-SIM 9.4.0

Software	Type	Short Description	Detailed Description
New Feature	OpCon	Quitting of G-SIM alarms in case of stopped G-Core event	It is now possible to configure the automatic quitting of alarms raised in G-SIM if the corresponding G-Core event was stopped.
New Feature	OpCon	Showing of Rectangles for VideoResult Action	The viewers of the OpCon are now able to display the rectangles of eventdata from the VideoResult action.
Information	G-Core Support	Support of current G-Core Version	G-SIM is now able to support the current G-Core version 6.1.0.
Improvement	Global	Easier configuration of Kafka client	In case of a Global usage, it is now possible to configure the used Kafka client via the GSIMServer.exe.config.
Improvement	ManCon	Limited Administrator Privilege	The old privilege "Limited user" was fully reworked and adapted in several ways. A full description will be available in the online help afterwards.
Improvement	OpCon	Adaption of the OpCon login screen	The OpCon login screen was adapted, which makes it possible to easier navigate to the settings menu. The double-click functionality and the usual settings popup were removed.
Improvement	OpCon	Showing of deleted users in the audit	The audit was improved, which now shows deleted users in the saved systems actions.
Bugfix	ManCon	Non working alarm instance trigger	An issue where the Mapobject Alarm is not working for Alarm-Instances was fixed.
Bugfix	OpCon	Disappearing PTZ-Control-Icon	An issue which led to disappearing icons in the viewer was fixed.
Bugfix	ManCon	Status Switch in Restrictions	An issue where the restriciton state switches to "Allow" after setup saving was fixed.
Bugfix	ManCon	Non-functional alarm restriction on ReCon's	An issue with non-working restrictions of an alarm-instance for a remote-console was fixed.
Bugfix	ManCon	Non-working NVR-Failover until mediasource deletion	An issue where the NVR-Failover in updated Setups is not working properly was fixed.
Bugfix	ManCon	Missing buttons in Spanish ManCon	An issue was fixed, where the Spanish version of the ManCon does not include some buttons.
Bugfix	OpCon	Blinking Camera after finished GeViSoft alarm	An issue was fixed, where the camera continues to blink when the alarm was stopped in GeViSoft.
Bugfix	ManCon	Random exception in ManCon	An issue was fixed, which led to random exceptions in the ManCon after a mediasourc was selected.
Bugfix	Server	Process data search could'nt find data	An issue was fixed, where the process data search was not able to find existing data from the database.
Bugfix	ManCon	Not possible to change camera name with long values	An issue was fixed, where the camera names couldn't be changed if the have long values.
Bugfix	ManCon	Exception after saving of viewer groups	An issue was fixed, where too many viewer ID's in one viewer group leads to a setup which will not save correctly.
Bugfix	MapObject	Incorrect color display of camera labels	An issue was fixed, where camera labels aren't shown in the correct color they were configured.
Bugfix	MBEG+	MBEG Controls on ReCon+	An MBEG+ related issue was fixed, which led to non functional controls in combination with a ReCon.
Bugfix	Global	Users not remain after Global unmerge	An issue was fixed, which led to deleted users after a server was unmerged from a Global environment.
Bugfix	MapObject	Hotspots behind mapobjects	An issue was fixed, which led to hotspots behind mapobjects after saving the setup.

Enhanced Security Mode

As already previewed in our last release, this one finally includes the new enhanced security mode for G-SIM. This mode comes with higher encryption and general security standards and enables the support of systems running under FIPS. Please note the following information:

- This mode could be activated during the installation of G-SIM and is automatically activated if the FIPS mode is turned on in the specific system.
- The compatibility towards older system versions is no longer possible, which includes that every system component should have the same version installed.
- G-SIM 9.4.0 is the last version where this mode is optional, the selection of other security settings from the installation process including this mode will be therefore removed in the next major release.

Privilege Overview in our Online Help

With this release we improved our online help, which now includes an overview of all G-SIM privileges to enable an easier understanding of the respective functionalities.

This page will be adapted in the future to provide more information for the specific privileges.

You will find this page under the "Management Console ManCon" area in the "Users and Security / Users" part.

New Upgrade Guide

Together with the changes from the enhanced security mode we improved and updated our G-SIM upgrade guide, which could be later found in our online help.

This area provides an overview of the specific installation paths to ensure a safe and correct system upgrade between several versions.

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)	

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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