# GEUTEBRüCK

# G-SIM

Software Version 9.4.1

**Release Notes**

# Table of contents

# G-SIM 9.4.1

| Software | Type | Short Description | Detailed Description |
|---|---|---|---|
| Bugfix | ManCon | Memory Leak during Map Object Configuration | An issue was fixed, which led to increasing memory during the configuration of map objects. |
| Bugfix | ManCon | Performance Adaption of Validation Algorithm | Performance adaptions were implemented to improve the setup saving time and the setup validation algorithm. This fixed an issue related to increased CPU usage during the change of the "Primay Map Name" for map objects. |
| Bugfix | ManCon | Exception during Hot Spot Configuration | An issue related to the configuration of hot spots was fixed, which led to random exception if the hot spot was moved and a right click was performed. |
| Bugfix | ManCon | Difficulties in Map Object Selection | An issue was fixed, which led to difficulties in selection of a map object. |
| Bugfix | ManCon | Difficulties in Column Dragging | An issue was fixed, which led to difficulties in dragging a column. |
| Bugfix | ManCon | Not possible to change Map Grid | An issue related to the map configuration was fixed, which prevents that adaptions to the grid could be made. |
| Bugfix | ManCon | Losing of "Primary Map" | An issue with camera labels was fixed, where the label doesn't save the primary map, if "Create Map-Object for camera" is disabled. |
| Bugfix | ManCon | Wrong Entry in Click Rule | An issue with the click rules was fixed, which led to the selection of "GeViScope" only. |
| Bugfix | ManCon | Memory Leak with ManCon NVR List | An issue was fixed, which led to increasing memory everytime a NVR entry was clicked or opened. |
| Bugfix | ManCon | Missing "Reset Map Object States" Function | An mapobject related issue was fixed, which led to the missing functionality "Reset Map Object States". |
| Bugfix | OpCon | Wrong linked Layout is shown | An issue related to linked layouts, where the wrong layout is shown independent of the set primay camera. |
| Bugfix | OpCon | Missing Scrollbar for PDS Filter | An issue was fixed, which leds to a missing scrollbar for the process data search filters and invisible filter entries. |
| Bugfix | OpCon | Impossible Database Access for unconnected Cameras | An issue in the video playback was fixed, where the database footage of a disconnected camera is not viewable. |
| Bugfix | OpCon | Connection Issue from V8 to V9 | An issue with the compatibility mode was fixed, which prevents the correct connection betwenn a V8 and a V9. |
| Bugfix | OpCon | Invisible Custom Buttons | A custom button related issue was fixed, which led to the circumstance that with a large number of buttons, the last ones can no longer be displayed correctly in the OpCon. |
| Bugfix | OpCon | Non translated tooltips | An issue was fixed where tooltips in the viewer were not translated correctly into Czech language. |
| 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 | GSIMServer | Lost Map Image after Upgrade | An issue with the maps was fixed, which led to the loss of the map image if the system was upgrade from V8 to V9. |
| Bugfix | CamCheck | Setup Error in ManCon for Cam Check | An Cam Check related issue was fixed, which led to a setup error marking in the ManCon. |
| Bugfix | Installer | Old SAM Installer in G-SIM Installer | An issue was fixed which led to the usage of an older SAM installer version during the installation of G-SIM. |

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<br>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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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 10300 Serie Prozessor | Intel® UHD Graphics 630 | | 27.20.100.9466 DHC (Win 10 21H1) |
| 9. Generation Intel® Core™ i3, i5, i7,i9 Processors | | Core 9100 Serie Processor<br>Core 9500 Serie Processor<br>Core 9700 Serie Processor<br>Core 9900K Serie Processor<br>Xeon E-2244G Processor | Intel® UHD Graphics 630<br>Intel® UHD Graphics 630<br>Intel® UHD Graphics 630<br>Intel® UHD Graphics 630<br>Intel® UHD Graphics P630 | | 27.20.100.9168 DHC (Win 10 1809)<br>27.20.100.9168 DHC (Win 10 1809)<br>27.20.100.9168 DHC (Win 10 1809)<br>27.20.100.9168 DHC (Win 10 1809)<br>27.20.100.9168 DHC (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 DHC (Win 10 1809) |
| 7th Generation Intel® Core™ i3, i5, i7 Processors | Kaby Lake | Core i3- 7100TE Processor 3.9Ghz<br>Core i5- 7500 Processor 3.4Ghz<br>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)<br>26.20.100.7584 (Win 10 1809, DCH) |
| 6th generation Intel® Core™ i3, i5, i7 Processors | Skylake | Core i3- 6100TE Processor 2.7Ghz<br>Core i5- 6500 Processor 3.2Ghz<br>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<br>Core i5-4570S Processor 2.9Ghz<br>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) | |

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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

Department Presales Call: +49 2645 1370

E-Mail: info@geutebrueck.com