

G-SIM Release Notes

Version 13.0.0

Can be installed with an upgrade entitlement expiry date after October 1, 2025.

General Release Notes**G-SIM & G-Insights Integration**

- G-SIM introduces an extended integration with G-Insights, enabling direct interaction between both systems. Video sequences identified in G-Insights can now be opened in full length within G-SIM OpCon viewers, while G-SIM also supports triggering forensic searches in G-Insights based on the current media context.
- At the core of this integration is a new adaption of our G-SIM web API, providing a generic endpoint for opening media channels directly in OpCon. This endpoint supports parameters such as camera, timestamp, and console context, and can also be used independently of G-Insights for targeted video access and external system integration.
- The feature is complemented by enhancements across OpCon, ManCon, and the web browser integration, enabling reliable display of G-Insights content and consistent handling of external requests.
- This establishes a foundation for seamless cross-system workflows and efficient access to video data across G-SIM and G-Insights.

Type	Module	Description
New Feature	ManCon	A new tool called "User Restrictions Overview" was added to the ManCon tools section. This tool displays the effective restrictions for a selected user and console combination. It is possible to select a user and/or a console to review all applicable restrictions. If the user is part of a Privilege Group, an additional field appears to select the related second user. After confirming the selection, the table lists all restrictions applied to the selected user/console, providing a clear overview of limitations and constraints that affect the user's usage.
New Feature	Web API	The G-SIM Web API has been expanded to include a new endpoint called "ViewerConnect." This allows media channels to be switched on via the Web API. By specifying the global camera number and a timestamp, you can use two options in OpCon to switch on the corresponding media channel. Option 1: Specify a user's email address. This address is compared with the currently logged-in G-SIM users so that the media channel appears exactly on the OpCon where the user is logged in. Option 2: Specify the global console number to address a specific OpCon where the media channel is to be activated. Additional parameters can be set to specify the use of the endpoint and a new popup in the OpCon helps the user to select the correct viewer for viewing the footage of the respective media channel. Further information can be found in the online help.
Information	Installer	The installer checkbox for the C++ redistributable has been improved and is now checked per default. The correct name is now: Visual C++ Redistributable 2015-2022 x86 & x64
Information	ManCon	All visible text in OpCon and ManCon relating to media channels or media resources has been standardized. The correct terms are now uniformly "media channel" and "media resource."
Information	OpCon	The ViewerPlayModeChanged notification now includes the ChannelTime parameter again.
Information	OpCon	Different typos and wordings were improved in the tab list of the OpCon.
Information	System Wide	All functionalities related to the transcoding server have been removed. Processing is now handled exclusively via the DSS-based clipping implementation.
Improvement	Global	Added the ability for users to manually reassign entities like maps from one G-SIM Global server to another Global server. This simplifies and reduces the manual efforts of Global server maintenance.
Improvement	Global	If Global is activated it is now possible to hide items from remote servers in all relevant entity lists of the ManCon. This improves the overview for the administrator in case only local entities need to be configured or adapted.
Improvement	Global	The time of the last server sync in case of a Global usage is now visible in the event store tool.
Improvement	Installer	Based on the new G-Core version 9.1 including the extensive media player improvements, the restrictions, checks and error messages for specific Intel drivers have now been removed from the G-SIM installer.
Improvement	ManCon	Cameras can now be renamed to improve differentiation. This allows resolving duplicate names and channel numbers originating from different media sources. The name can be edited directly via double-click on the camera name.
Improvement	ManCon	The state of a restriction is now directly visible in the list of restrictions without the need to navigate into the entries. If a restriction is active the name is shown as usual, if it is set to inactive the name is struck through.
Improvement	ManCon	A sort functionality was added to the restriction table of the ManCon.
Improvement	ManCon	The data statistics tool of the ManCon was improved and resized based on the visible data.
Improvement	ManCon	The loading performance of all side menu entity lists in the ManCon were improved.
Improvement	OpCon	The webbrowser component which is used for the webbrowser integration of the OpCon has been changed from CefSharp to WebView2. This enables the usage of G-Insights and other live streams in the browser.
Improvement	OpCon	A viewer with a restricted media channel in it is now showing a full black screen with "Restricted" text on it instead of still visible media channel borders with content.
Improvement	OpCon	The alarm names and descriptions for DVR Maintenance Alarm and Possible DVR Failure Alarm have been changed. This change only applies to new installations, not updates. For new installations, DVR Maintenance Alarm becomes: Possible Agent Failure and the description becomes: The agent cannot be reached due to a network or hardware failure. Possible DVR Failure Alarm to: Possible Media Source Failure and the description to: The media source cannot be reached due to a network or hardware failure.
Improvement	OpCon/ReCon	When switching templates, only cameras that have actually changed are now reloaded. This makes template changes in OpCon and ReCon more targeted and efficient, including in multi-monitor environments.
Improvement	System Wide	With the new "Maximum Viewer Resolution for DSS" setting, the maximum resolution of incoming video streams can be defined per OpCon console via the ManCon, supporting smoother playback in low-bandwidth environments.
Improvement	System Wide	The web browser behavior in G-SIM has been improved: cookie usage is enabled by default, new tabs open within the same browser viewer, and cookies are stored per G-SIM user.

Type	Module	Description
Bugfix	Global	A newly configured G-SIM Global server will not crash any longer if another G-SIM Global server is added to the G-SIM setup.
Bugfix	Installer	If a folder created by the installer is removed and newly created by OpCon or ManCon, it always gets the [Everyone] permission.
Bugfix	ManCon	Changes in the setup can now be reliably saved. After adjustments, the save function is correctly enabled.
Bugfix	OpCon	The AppInstanceManager now does not block the OpCon from restarting any longer.
Bugfix	OpCon	If a tour is configured defining a specified time range for a camera, all newly added cameras will apply this timerange as well.
Bugfix	OpCon	If a camera group with no cameras defined in it shall be displayed, now no camera is shown at all.
Bugfix	OpCon	If a higher amount of cameras is included into a tour, it is now also possible to save it.
Bugfix	OpCon	If a user does not have access to the timeline playback feature, the timeline and the tab area are now still visible.
Bugfix	OpCon	The alarm tab view now shows the alarm instance name in the tab header. Only if no instance name is defined, the template name is displayed.
Bugfix	OpCon	A populated layout that is defined as a default site layout is now displayed as such in Opcon, rather than being shown as a linked layout.
Bugfix	OpCon	A cutlist created outside the cutlist tab (e.g. in alarms tab) can now be edited as well.
Bugfix	OpCon	The event text is now displayed immediatly if a video is shown in a viewer due to process data search.
Bugfix	OpCon	Maximizing a viewer after connecting the camera now works smoothly again.
Bugfix	OpCon	A cut list can now be exported again even if an entry or a camera is removed from it.
Bugfix	OpCon	The export of video footage from replicated servers is now working again.
Bugfix	OpCon	Triggering layouts via map objects now works reliably across repeated use.
Bugfix	OpCon	All relevant cameras are now fully displayed when filtering by alarms, ensuring a consistent view between the camera and alarm sections.
Bugfix	OpCon	Reports are now displayed and exported correctly, including when using 4K monitors. Layout and scaling remain consistent and clearly readable.
Bugfix	OpCon	It is now possible to trigger Blockingfilters and I/O contacts with G-SIM 12 map objects as well.
Bugfix	OpCon	The numeric keypad now works again when entering notes in the cut list.
Bugfix	OpCon	Now the alarm name is shown in the secondary language if it is defined in the alarm configuration and triggered alike.
Bugfix	OpCon	If an alarm is simulated, it now shows up a marker in brackets behind the alarm name like done in G-SIM 10.
Bugfix	OpCon	If multiple events are used in a process data search filter and some or even all of them fill share the same database field, the filter output only the relevant field related to the triggered event.
Bugfix	OpCon	The OpCon startup on a fresh installation was adapted. If no configuration was entered and the OpCon gets closed or the initial configuration process was canceled, the OpCon will stay closed afterwards and does not restart the whole time.
Bugfix	OpCon	Activity areas are drawn now if at least one activity type is activated and allowed.
Bugfix	OpCon	Re-viewing an already completed alarm, now the configured viewing type is used for showing the related video.
Bugfix	OpCon	Querying data using multiple filters now shows the correct amount of resulting process data.
Bugfix	OpCon	The main map is now accessible via the "Home" button in the Site menu even if the user is restricted to view only specific sites by the option "Allow selected items".
Bugfix	OpCon/ReCon	The G-Core action "ViewerConnectLive" in combination with OpCon and ReCon is working again.
Bugfix	ReCon	After a failover and fallback scenario, all cameras will now be automatically reconnected.
Bugfix	Server	Login as Sysadmin now works after fresh installation of G-SIM 12.
Bugfix	Server	The usage of MBTiles archives was improved to handle pre-rendered raster archive files with a zoom level of 18x and 20x.
Bugfix	Server	Handling of DAS requests has been improved. Server data is now only processed when a valid server ID exists, preventing errors.
Bugfix	Server	Connection stability has been improved, ensuring that agents register only after the G-SIM server has been fully initialized.
Bugfix	System Wide	A client-side issue with the initial loading of a large number of camera reference images during the initial login. The initial login was blocked due to this issue, which was now fixed by adaptations of the loading procedure.
Bugfix	System Wide	The restrictions logic has been corrected so that "Allow Selected Items" is now processed correctly and the corresponding alarms are shown in ReCon.

Software & Hardware Requirements

The following tables outline the recommended minimum system requirements for servers and client systems.

Bug fix versions are included within their corresponding major versions (e.g. version 10.2.2 is included in 10.x).

Actual system requirements may vary depending on project scope, system size and use case.

For project-specific requirements or further recommendations, please contact the Pre-Sales Team of Geutebrück GmbH for validation of your system configuration

For detailed information on configuration, port settings, installation, and usage, please consult our technical online documentation.

Server Model

Server model selection may vary depending on the project scope, camera count, storage requirements, system size and intended use case.

Therefore, the required server model is generally project-specific and should be validated individually for each installation.

Network Bandwidth

All listed software requires a minimum Ethernet network bandwidth of 1 Gbit/s.

Depending on system size and use case, higher bandwidth may be necessary.

GPU Drivers:

We recommend always using the latest available Intel graphics drivers for video rendering, decoding, and encoding tasks.

This applies to our G-Core servers with activated VCA, as well as the client software (G-View, OpCon, and ReCon).

While new GPU drivers generally provide the best performance, they can occasionally introduce unexpected stability issues.

If you encounter any problems with the newest drivers, we strongly recommend falling back to one of the tested versions listed below.

Please note:

We can only guarantee full functionality and system performance when using either the latest Intel drivers or our specified fallback versions:

Intel® 11th – 14th Gen Processor Graphics - 32.0.101.7085

Intel® 7th-10th Gen Processor Graphics - 31.0.101.2141

Addition to the DVSP8 driver:

The DVSP8 driver is only supported on Windows 10 systems with Secure Boot disabled, due to limitations in the Microsoft driver signature.

The signature expires in October 2030. After this date, the driver will no longer function, even under Windows 10 without Secure Boot.

As of G-Core version 9.0, the DVSP8 driver is no longer included in the installer and must be installed separately.

Further notes:

¹Only in case BWC (BodyWornCamera Integration) is used on the respective G-Core server.

²The Windows Media Player feature must be enabled on all client systems running G-View, OpCon or ReCon.

³Larger projects require individual system evaluation; use of Windows Server OS, SQL Server, server CPU and additional RAM is recommended.

Important Deployment Information for Geutebrück PlatformHardware Requirements

Geutebrück Hub and G-Insights can be deployed either on a shared appliance together with G-Core or on a dedicated appliance, depending on storage requirements and system design.

Additional to the general soft- and hardware requirements on the following sites, the hardware requirements below are mandatory:

- For G-Insights, the G-ST3000+ G3 server is recommended
- G-Insights is only supported when installed and operated on-premise
- OS Storage: 256 GB SSD (dedicated to the operating system)
- G-Insights Storage: Minimum 4 TB NVMe SSD
- GPU (optional): NVIDIA RTX 2000 Ada Generation (required for AI-powered similarity search, CUDA 12.9)
- Dedicated HDD for G-Core (only in case of a shared appliance deployment)

Note: G-Core storage is not required when G-Insights is deployed on a dedicated system.

Performance & Sizing Notes

An NVMe SSD of 4 TB is strictly required to ensure sufficient system performance.

While a minimum capacity of 4 TB is recommended, the actual storage requirements depend on system size, data rate, and retention time.

The metadata generation rate is influenced by:

- Camera firmware version
- Frequency of moving objects within the configured field of view

G-Core

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist
G-Core Server						
G-Core 8	8GB	50GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	6.0	2010 for G-Web, 2015-2022
G-Core 9	8GB	50GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	8.0 and 6.0 ¹	2010 for G-Web, 2015-2022
G-Core 9.1	8GB	50GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	10.0 and 6.0 ¹	2010 for G-Web, 2015-2022
G-Core 10	8GB	50GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	10.0 and 6.0 ¹	2010 for G-Web, 2015-2022

G-Core Client²

G-Core 8	8GB	5GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022
G-Core 9/9.1	8GB	5GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8		2015-2022
G-Core 10	8GB	5GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022

G-Core Web API

1.5/1.59/2.0	8GB	10GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	3.5 + 4.6.1	6.0	2015-2022
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G-SIM

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist
G-SIM Server³						
G-SIM 11/12/13	16GB	80GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022

G-SIM Server with Global³

G-SIM 11/12/13	32GB	100GB	12th Gen Intel Core i7 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022
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G-SIM Client²

G-SIM 11/12/13	16GB	8GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	6.0 (only if SAML is used)	2015-2022
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G-SIM Web API

3.0	16GB	10GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	-	6.0	-
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Geutebrück Platform (Web-based Software)

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist
G-Insights						
1.1	32GB	50GB	12th Gen Intel Core i7 with 4 Cores (or equivalent/higher)	4.8	10	2015-2022
Geutebrück Hub						
1.1	8GB	50GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	-	10	2015-2022
Plugin Loader						
1.0/1.2/1.3	8GB	10GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	-	8.0	-
1.5	8GB	10GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	-	10.0	-
1.6	8GB	10GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	-	10.0	-

G-Connect

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist
G-Connect						
6.1/7.0	4GB	500MB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	8.0 + Standard 2.0	2015-2022

Microsoft Support

This table provides an overview of Windows versions that have been tested with the major versions of our software listed. We recommend using one of the Windows versions listed here. Should this version no longer be supported by Microsoft, we would suggest using a more recent version that has been tested by us. It should be noted that bug fix versions are included in the respective major version (e.g., 10.2.2 in 10.x).

It is imperative to use graphics drivers that are compatible with the Windows version in use. For more information, please visit the Intel website. Please also note that security vulnerabilities caused by outdated operating systems are not covered by our support.

Further Notes:

¹The Microsoft versions listed for each G-Core version also apply to all Plugin Loader versions that are compatible with that specific G-Core version, as defined in the compatibility overview.

G-Core																			
Windows 10				Windows 11					Windows Server				Microsoft SQL						
22H2	LTSB 2016	LTSC 2019	LTSC 2021	22H2	23H2	24H2	25H2	LTSC 2024	2016	2019	2022	2025	2014	2016	2017	2019	2022	2025	
G-Core Server ¹																			
G-Core 8	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	
G-Core 9	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	
G-Core 10	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	
G-Core Client																			
G-Core 8	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	N.A						
G-Core 9	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes							
G-Core 10	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes							

G-SIM

	Windows 10				Windows 11					Windows Server				Microsoft SQL					
	22H2	LTSB 2016	LTSC 2019	LTSC 2021	22H2	23H2	24H2	25H2	LTSC 2024	2016	2019	2022	2025	2014	2016	2017	2019	2022	2025
G-SIM Server																			
G-SIM 11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
G-SIM 12	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
G-SIM 13	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
G-SIM Server with Global																			
G-SIM 11	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No
G-SIM 12	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
G-SIM 13	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
G-SIM Client																			
G-SIM 11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N.A					
G-SIM 12	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes						
G-SIM 13	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes						

G-Connect

	Windows 10				Windows 11					Windows Server				Microsoft SQL					
	22H2	LTSC 2016	LTSC 2019	LTSC 2021	22H2	23H2	24H2	25H2	LTSC 2024	2016	2019	2022	2025	2014	2016	2017	2019	2022	2025
G-Connect																			
6.1.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
7.0	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Geutebrück Platform (Web-based software)

	Windows 10				Windows 11					Windows Server				Microsoft SQL					
	22H2	LTSC 2016	LTSC 2019	LTSC 2021	22H2	23H2	24H2	25H2	LTSC 2024	2016	2019	2022	2025	2014	2016	2017	2019	2022	2025
G-Insights																			
1.1	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	N.A					
Geutebrück Hub																			
1.1	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	N.A					

Compatibility Overview

The following overview provides a comprehensive view of our current software, their dependencies and compatibilities.

It is recommended that you use current software versions with their supported compatibilities as shown. Otherwise, not all features and functionalities could be guaranteed.

It should be noted that bug fix versions are included in the respective major version (e.g., 10.2.2 in 10.x).

Camera compatibility

Geutebrück platform provides a cross-manufacturer integration of camera metadata via ONVIF M with convenient operation via a centralized platform.

For a complete list of all currently supported devices, see: <https://www.geutebrueck.com/g-insights-forensic-search/compatible-cameras>

Browser compatibility

Our web-based software (Geutebrück Platform) has been tested with the following browser versions:

- Chromium-based browsers (e.g. Google Chrome, Microsoft Edge): v149, v148
- Mozilla Firefox: v152, v140 ESR
- Safari (macOS and iOS): v26.5, v26.4

G-Insights is currently limited to the following tested browser versions:

- Google Chrome: v149
- Microsoft Edge: v149

Display compatibility

Our web-based software (Geutebrück platform) features a responsive user interface explicitly optimized for desktop displays. Please note that the platform is not designed or supported for use on mobile devices (smartphones or tablets). For the best user experience and full layout fidelity, we recommend a standard desktop or laptop monitor.

Further notes:

¹Only with version G-Core 8.3

		G-Core Web API			G-Connect		Plugin Loader					G-SIM Web API				Geutebrück Hub	
		1.5	1.5.9	2.0	6.1.1	7.0	1.0	1.2	1.3	1.5	1.6	11.x	12.0	12.0.1	13	3.0	1.1
G-Core																	
G-Core 8		No	No	Yes	Yes	Yes	No	Yes	Yes ¹	No	No	Yes	Yes	No	No	-	-
G-Core 9		No	No	Yes	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	No		
G-Core 9.1		No	No	Yes	Yes	Yes	No	No	No	Yes	No	No	Yes	Yes	Yes		
G-Core 10		No	No	Yes	Yes	Yes	No	No	No	No	Yes	No	No	Yes	Yes		
G-SIM																	
G-SIM 11/12		-			-		-					-				-	-
G-SIM 12.0.1																Yes	
G-SIM 13																Yes	
G-Insights																	
1.1		-			-		No	No	No	No	Yes	No	No	No	Yes	-	Yes
Geutebrück Hub																	
1.1		-			-		No	No	No	No	Yes	-				-	-
G-Connect																	
6.1.1		-			-		-					-				No	-
7.0																Yes	