

G-Core Release Notes

Version 9.1.0

Can be installed with an upgrade entitlement expiry date after October 1, 2024.

General Release Notes

This release introduces a modernized media player, enhances licensing reliability, and resolves critical bugs.

Security update

This release is a mandatory security update for a core component of the G-Core server. Please install the patch immediately to ensure that your infrastructure remains fully protected. As part of this security patch, all affected versions of G-Core have been removed from the download portal. We will provide authorized customers with further details upon request in the official security advisory. Please contact service@geutebrueck.com for more information.

New Media Player

- Modernized Rendering: Transitioned video decoding to the current Intel Video Processing Library (VPL).
- Enhanced Stability: Eliminated dependencies on legacy Intel graphics drivers.
- Improved Usability: G-View remains fully operable after returning from lock screen or sleep mode.

Licensing Updates

- System Update: Installs Thales License Manager v1.9.
- Robust Revocation: Improved reliability during the license revocation process.
- Upgrade Fix: Performing multi-step upgrades no longer resets the upgrade date.

Note: The upgrade expiration date will be reset if, after loading a CamConnect upgrade package, additional CamConnects are added that exceed the number of CamConnects covered by the upgrade package. Always verify that the number of CamConnects does not exceed the number covered by the upgrade package.

Type	Module	Description
Bugfix	GngMediaProcessor	Thanks to an improved media processor module, "Access Violation" errors no longer occur.
Bugfix	G-Core SAM	Browser Connect licenses are now released correctly when the G-Web service is disconnected from the G-Core server, e.g. due to a crash.
Bugfix	G-View	Videos no longer flicker in multi-monitor setups.
Bugfix	G-View	Pressing CTRL-ALT-DEL and returning to the desktop no longer causes the "No buffer for decompression" error in G-View viewers.
Bugfix	License Manager	Demo licenses are now correctly recognized even if an existing production license has expired.
Bugfix	G-View	Activating an E5 camera for the first time no longer causes a recording gap when the plugin is configured for dual stream.
Bugfix	LicenseManager, SAM	Multiple license upgrades can now be installed in succession, and the upgrade end date is set correctly.
Bugfix	MetadataInjector	The livestream frame rate is no longer reduced when the Metadata Injector plugin is switched from DualStream to DSS.
Bugfix	Server	With an Axis M4317-PLVE fisheye camera running firmware version 11.11.181, the panorama view does not appear even though the corresponding stream has been selected.
Bugfix	G-Core	Opening and closing the camera iris now works in the native E4, E5, and ONVIF plugins as well as in the H-Series plugin of the Plugin Loader.
Bugfix	SAM, Licensemanager	Time-limited demo licenses now expire correctly even when combined with unlimited production licenses.
Improvement	DVSP8 driver and plugin	Starting with G-Core 9, the DVSP8 driver and G-Core plugin are no longer included in the G-Core installer. A standalone installer is now available to install them separately if G-Core is running on Windows 10 without Secure Boot.
Bugfix	G-Core	With the "Jump to the beginning of prehistory..." option enabled, the "PrevEvent" button now jumps to the start of the previous event's prehistory. Note: when moving forward from one event's prehistory to the next, first jump to the start of the current event using CTRL-NextEvent before using NextEvent to reach the prehistory of the following event.
Bugfix	Licensemanager 1.8.1.2	NVR failover upgrades can now be loaded sequentially, and the upgrade end date is increased correctly.
Bugfix	G-View	Burning overlay text into an MP4 video when exporting a cut list now works without errors.
Bugfix	Bosch Plugin	Events from Bosch cameras with firmware >= CPP 14.2 9.80.0087 are now evaluated correctly and trigger the corresponding VCA alarm actions. Note: To ensure backward compatibility, some camera models (e.g. 7100i) send two different topics for a single alarm; G-Core then also generates two actions with different content. In some cases cameras use the same topic for different alarms; the alarm type can then be identified from the provided data fields, and the actions generated in G-Core are of the same type but with different data content.
Bugfix	G-View	MP4 export now also works with recordings from a replicated database of another G-Core server.
Bugfix	Axis Plugin	Edge recording is now available in combination with encrypted transmission (HTTPS), H.265 encoding, and SD card encryption.
Improvement	Bosch plugin	The Bosch plugin now supports ONVIF auxiliary commands, e.g. for starting and stopping PTZ tours. The list of supported commands is available in the online help.
Bugfix	License Manager	Licenses can now be revoked via the License Manager user interface.
Improvement	VAM	G-Core VAM reports can now be exported in CSV format without any line limitations. For details, please refer to the corresponding section in the online help.
Bugfix	G-Core Server	If the connection to a video database located on a network share is lost, the G-Core Server now handles this gracefully and no longer crashes.
Bugfix	SAM	The G-Core SAM no longer falls back permanently to local mode when the remote IP is temporarily unreachable; the remote connection is restored automatically once the remote SAM is reachable again.
Bugfix	G-Set	Closing G-SET no longer writes application errors to the EventLog.
Bugfix	G-Web	In G-Web, users can now log in again without any errors and activate cameras.

Software & Hardware Requirements
The following table shows the recommended minimum requirements for servers and clients of our software. 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. Should further factors apply to your system, please contact Geutebrück GmbH to validate the requirements of your system. It should be noted that bug fix versions are included in the respective major version (e.g., 10.2.2 in 10.x). <u>Network Bandwidth</u> 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. <u>GPU & Drivers:</u> 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 <u>Addition to the DVSP8 driver:</u> The DVSP8 driver only works on Windows 10 without Secure Boot. That is because of the Microsoft driver signature. The signature is limited to Oct. 2030. That means the driver won't work after Oct. 2030 any longer even under Windows 10 w/o Secure Boot. The DVSP8 driver is no longer contained in the G-Core installer as of version 9.0. For G-Core 9.0 there is a separate DVSP8 installer available. <u>Further notes:</u> ¹For larger projects, it is essential to analyse the general conditions under which the system is operated on an individual basis. For projects of this nature, it is recommended that a Windows server OS, a standard SQL server, a server CPU and additional RAM be used. Should you require further recommendations or specifications, please contact the Pre-Sales team from Geutebrück GmbH directly. ²Only in case BWC (BodyWornCamera Integration) is used on the respective G-Core server.

G-Core

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist	Windows Media Player Feature
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 ²	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 ²	2010 for G-Web, 2015-2022	-
G-Core Client							
G-Core 8	8GB	5GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022	x
G-Core 9/9.1	8GB	5GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022	x
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	-

G-SIM

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist	Windows Media Player Feature
G-SIM Server¹							
G-SIM 10/11/12	16GB	80GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022	-
G-SIM Server with Global							
G-SIM 10/11/12	32GB	100GB	12th Gen Intel Core i7 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022	-
G-SIM Client							
G-SIM 10/11/12	16GB	8GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	6.0 (only if SAML is used)	2015-2022	x
G-SIM Web API							
3.0	16GB	10GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	-	6.0	-	-

G-Connect

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist	Windows Media Player Feature
G-Connect							
6.1.1/7.0	4GB	500MB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	8.0 + Standard 2.0	2015-2022	-

Plugin Loader

	Memory	Free Space	Recom. CPU	MS .Net Framework	MS .Net	VC++ Redist	Windows Media Player Feature
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	-	-

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.

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																			
G-Core 6	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	No	No	No	No
G-Core 7	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No
G-Core 8	Yes	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	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
G-Core Client																			
G-Core 6	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	N.A	N.A	N.A	N.A	N.A	N.A
G-Core 7	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	N.A	N.A	N.A	N.A	N.A	N.A
G-Core 8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	N.A	N.A	N.A	N.A	N.A	N.A
G-Core 9	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N.A	N.A	N.A	N.A	N.A	N.A

G-SIM

	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-SIM Server																			
G-SIM 10	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No
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 Server with Global

G-SIM 10	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No
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 Client

G-SIM 10	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	N.A					
G-SIM 11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes						
G-SIM 12	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

Compatibility Overview

This overview provides a comprehensive view of our current interfaces and their dependencies on other products.

Furthermore, it shows the compatibilities between the currently supported G-SIM and G-Core versions.

In both cases, it is recommended that you use current product 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).

Further notes:

¹Only with version G-Core 8.3

	G-Core Web API			G-Connect		Plugin Loader				G-SIM				G-SIM Web API
	1.5	1.5.9	V2.0	6.1.1	7.0	1.0	1.2	1.3	1.5	10.x	11.x	12.0	12.0.1	3.0
G-Core														
G-Core 6	No	No	No	Yes	Yes	No	No	No	No	Yes	No	No	No	-
G-Core 7	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No	-
G-Core 8	No	No	Yes	Yes	Yes	No	Yes	Yes ¹	No	Yes	Yes	Yes	No	-
G-Core 9	No	No	Yes	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	-
G-Core 9.1	No	No	Yes	Yes	Yes	No	No	No	Yes	No	No	Yes	Yes	-
G-SIM														
G-SIM 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G-SIM 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G-SIM 12	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes
G-SIM 12.0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes
G-Connect														
6.1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	No
7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes