

# G-Core Release Notes

## Version 8.3.2

Can be installed with an upgrade entitlement expiry date after October 31, 2023.

---

**General Release Notes****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](mailto:service@geutebrueck.com) for more information.

This bugfix release fixes some critical errors.

Please note, that for some option in the installer further packages are necessary which are no longer part of it.

In case of G-Web, please note that the Visual C++ Redistributable 2010 must be installed manually. It is no longer included in the installer because it has security vulnerabilities.

Type	Module	Description
Information	SAM + LicenseManager	When a license expires, this is reported as "unlicensed" in the G-Core SystemInfo action. This also applies to the expiration of the upgrade option. Starting with this version, the SystemError action also provides information when a license is in the grace period or dongle cache mode.
Improvement	Plugin Loader	G-Core Failover supportThe Plugin Loader 1.3 now supports G-Core Failover. To use it, the Plugin Loader 1.3 or higher must be installed on the G-Core spare device. No further configuration is necessary. Further information can be found in the online documentation.
Improvement	LPR	The LPR service now also allows the recognition of Indian license plates.Attention: A new license from Carrida is required for this version.
Improvement	PLC	To enable support and use of global monitor numbers in G-SIM, the following new actions have been added:GB_VCCChangeSceneByNameEx; GB_ViewerChangeSceneEx; GB_ViewerClearSceneEx; GB_VCClearSceneByNameEx The optional parameter "GlobalMonitorNr" is now available for all of these actions.
Improvement	SDK	Results from SQL database queries can now also be sorted, as "order by" can now be specified in the SQL statement.
Bugfix	G-Set	Resolved an issue where closing G-SET caused application errors to be written to the EventLog.
Bugfix	Modbus Plugin	The Modbus plugin can now connect to Modbus devices after restarting the G-Core server, even if a hostname was specified instead of an IP address.
Bugfix	G-Web	The G-Web Service will remain accessible even if it is connected to multiple G-Core servers but cannot connect to all of them.
Bugfix	SAM	A license server now correctly counts the licenses that are currently in use.
Bugfix	License Manager	In a system using Central SAM, the upgrade date is now calculated correctly when Traditional and Smart Licensing are used together.
Bugfix	G-Set, ONVIF Plugin	DLS can now also be enabled in the ONVIF plugin.
Bugfix	License Manager	Demo licenses are now correctly recognized even if an existing production license has expired.
Bugfix	Server	Video streams from Axis multisensor cameras are now displayed correctly according to the configuration.
Bugfix	Axis Plugin / ONVIF Plugin	Edge recording on an Axis camera can now be started again as usual.
Bugfix	Server	The occasional interruption in video streams from Axis cameras no longer occurs.
Bugfix	SAM	The whitelist in G-Core SAM can now be saved even if it contains a large number of entries.
Bugfix	LicenseManager, SAM	Multiple upgrades can now be installed one after another. The upgrade end date is now set correctly.
Bugfix	MetadataInjector	The livestream's frame rate will no longer be reduced when the Meta Data Injector plugin is switched from DualStream to DSS.
Bugfix	SAM, Licensemanager	Time-limited demo licenses expire even if they are mixed with unlimited production licenses.
Bugfix	Licensemanager 1.8.1.2	NVR failover upgrades can now also be loaded sequentially, ensuring that the upgrade end date is updated correctly.
Bugfix	SAM	The G-Core SAM no longer permanently falls back to local mode when the remote IP is temporarily unreachable; instead, it automatically restores the remote connection once the remote SAM becomes reachable.
Bugfix	E3 and E5 Camera	Two-way audio now works again with E-Series cameras connected via the ONVIF plugin.
Bugfix	Axis Plugin	Axis cameras now stay accessible because too many connections are no longer being opened in too short a period of time.
Bugfix	ONVIF plugin	The ONVIF plugin now also receives events from a Siqua encoder.
Bugfix	G-Core SAM	Browser Connect licenses are now released correctly if the G-Web service is disconnected from the G-Core server, for example due to a crash.
Bugfix	Server	The resolution of DNS names in the camera plugins can cause the G-Core server to start very slowly or crash. It is therefore recommended to use the IP addresses of the cameras.
Bugfix	Server	The two-way audio feature is now also available with an Axis Intercom I8016-LVE running v11 firmware.
Bugfix	Universal MP4 Plugin	MP4 files with a stereo audio track are imported correctly.
Bugfix	VAMConnect	Numberplates not included in the VAM database no longer cause the VAM service to crash when queried by an external application.
Bugfix	G-View	The MP4 export now also works with records from a replicated database of another G-Core server.
Bugfix	License Manager	The revocation of licenses in the License Manager UI is now working.
Bugfix	G-Core	The camera iris can now be opened and closed in the native E4, E5, and ONVIF plugins as well. The bug in the H-Series plugin of the Plugin Loader has also been fixed.
Bugfix	SAM	You can now license more than 65,535 TB for the video database.
Bugfix	G-View	BWC events now load in the correct order.
Bugfix	G-Set, ONVIF Plugin	If a constant bitrate is set in the ONVIF plugin, it will also be displayed in G-Set.
Bugfix	Server	The HTTP Command Plugin now also accepts quotation marks in the body. Example: {"apiVersion": "1.0", "context": "my context", "method": "start", "params": {"profile": "AHAlarm"}} This now also applies to all G-Core Actions in general.

### 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).

#### 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.

#### Addition to the DVSP8 driver:

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.

#### Further notes:

<sup>1</sup>For 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.

<sup>2</sup>Only 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
<b>G-Core Server</b>							
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 <sup>2</sup>	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 <sup>2</sup>	2010 for G-Web, 2015-2022	-
<b>G-Core Client</b>							
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
<b>G-Core Web API</b>							
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
<b>G-SIM Server<sup>1</sup></b>							
G-SIM 10/11/12	16GB	80GB	12th Gen Intel Core i3 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022	-
<b>G-SIM Server with Global</b>							
G-SIM 10/11/12	32GB	100GB	12th Gen Intel Core i7 with 4 Cores (or equivalent/higher)	4.8	-	2015-2022	-
<b>G-SIM Client</b>							
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
<b>G-SIM Web API</b>							
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
<b>G-Connect</b>							
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
<b>Plugin Loader</b>							
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
<b>G-Core Server</b>																			
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
<b>G-Core Client</b>																			
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	LTSB 2016	LTSC 2019	LTSC 2021	22H2	23H2	24H2	25H2	LTSC 2024	2016	2019	2022	2025	2014	2016	2017	2019	2022	2025
<b>G-SIM Server</b>																			
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
<b>G-SIM Server with Global</b>																			
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
<b>G-SIM Client</b>																			
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	LTSB 2016	LTSC 2019	LTSC 2021	22H2	23H2	24H2	25H2	LTSC 2024	2016	2019	2022	2025	2014	2016	2017	2019	2022	2025
<b>G-Connect</b>																			
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:

<sup>1</sup>Only 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
<b>G-Core</b>														
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 <sup>1</sup>	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	-
<b>G-SIM</b>														
G-SIM 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G-SIM 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G-SIM 12	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes
G-SIM 12.0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes
<b>G-Connect</b>														
6.1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	No
7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes

### GPU & Driver Overview for Hardware Decoding

We recommend the Intel graphic drivers in the table below for video rendering or decoding/encoding tasks.

This applies to our G-Core servers with activated VCA or the client software (G-View, OpCon & ReCon)

It is important to note that we are unable to guarantee functionality and performance without the use of recommended drivers on these systems.

As with any software, GPU drivers are subject to the risk of performance and stability issues with each new release. If a problem does arise, we recommend using a tested version.

For older hardware, it is necessary to disable the "Direct 3D-11 Rendering" setting. This can be done in the login settings of the OpCon or in the general settings of G-View.

It should be noted that these drivers are not necessarily part of the G-SIM or G-Core installer.

Product Collection	Processor Graphics	GPU Driver	DIRECT3D Rendering
12th Generation Intel® Core™	Intel® UHD Graphics 770	31.0.101.4091 (WIN 10 21H2)	V11
10th Generation Intel® Core™ i3	Intel® UHD Graphics 630	31.0.101.2115	None
9th Generation Intel® Core™ i3, i5, i7, i9 Processors	Intel® UHD Graphics 630 & P630		
8th Generation Intel® Core™ i3, i5, i7 Processors	Intel® UHD Graphics 630		
7th Generation Intel® Core™ i3, i5, i7 Processors	Intel® HD Graphics 630		
6th generation Intel® Core™ i3, i5, i7 Processors	Intel® HD Graphics 530		
Intel® Xeon® Processor E3 v6 Family	Intel® HD Graphics P630		
Intel® Celeron® Processor J Series	Intel® UHD Graphics 600		