

G-Core Release Notes

Version 10.0.0

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

General Release Notes**AV1 Codec**

- G-Core now supports the AV1 codec for live and recorded video from Axis cameras. Thanks to AV1's high compression efficiency, customers get the same image quality at noticeably lower bandwidth and storage requirements.
- AV1 streams can be recorded to the video database like any other format, and hardware-accelerated decoding keeps playback smooth and resource-friendly, even with high-resolution streams.

MQTT

- G-Core now connects directly to IoT environments and external systems through native MQTT. A built-in client links G-Core securely to standard message brokers, with authentication, TLS encryption, and automatic reconnection for reliable operation.
- The connection works in both directions: G-Core events can be published to other systems, and incoming messages from connected devices can trigger actions inside G-Core, making the VMS an active part of a larger automation landscape.
- All connections, subscriptions, and mappings are stored persistently, so a setup can be reused consistently across systems and rolled out quickly.

New Modbus Integration

- G-Core now communicates directly with industrial and building-automation hardware – PLCs, sensors, actuators, and control systems – through a fully integrated Modbus interface, over both network (TCP/IP) and serial connections, with secure TLS connectivity.
- The integration is bidirectional: G-Core continuously monitors device values and reacts automatically when something changes – for example starting a recording or raising an alarm when a sensor is triggered – and can write back to devices from G-Core actions, such as opening a barrier or switching a relay.
- Incoming and outgoing data can be freely transformed and mapped to fit each installation. Combined with the MQTT integration, Modbus data can also be bridged into IoT environments, making G-Core a central hub between on-site infrastructure and connected systems.

Technical Removal

- DVSP8 is no longer supported starting with this version.

Type	Module	Description
Information	IMEX	The IMEX feature no longer supports GeViScope.
Information	Installer	The Modbus plugin is being phased out and will be removed in a future major release. The new Modbus module is already available as its replacement.
Improvement	HTTP command Plugin	In the HTTPCommand plugin whitelist, usernames and passwords can now be stored for allowed connections. Passwords are masked, and multiple username/password pairs can be entered per connection.
Bugfix	G-Web	G-Web now keeps working when the dongle connection is lost while the dongle cache is enabled.
Bugfix	HTTPCommand Plugin	In the HTTPCommand plugin whitelist, a scroll bar now appears when the entries exceed the display area, so previously hidden entries can also be edited.
Bugfix	G-Web	The G-Web service no longer crashes after running for an extended period.
Bugfix	Axis Plugin	Edge recording is now available in combination with encrypted transmission (HTTPS), H.265 encoding, and SD card encryption.
Bugfix	G-Core Server	A flood of Axis log messages no longer impacts system performance.
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	E3 and E5 Camera	Two-way audio now works again with E-Series cameras connected via the ONVIF plugin.
Bugfix	Modbus	The Modbus plugin now connects to Modbus devices after a G-Core server restart even when a hostname is configured instead of an IP address.

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	