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G-Core

Software Version 9.0.0

Can be installed with an upgrade end date after Oct. 1, 2024.

Release Notes

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Release Notes for the Main Features

This release includes the features listed below and fixes several critical bugs.

Importing MP4 videos with stereo sound
It is now possible to import MP4 video files that contain a stereo audio track into G-Core.

LPR with Indian license plates
The LPR has been expanded to include recognition of Indian license plates.
Please note: A new license from Carrida is required to use this version.

Barox SNMP V3
The Barox plugin now also supports the SNMP protocol in version 3.

Removal of discontinued modules
The following modules have been removed from the G-Core installer:

- NetPorter driver
- Topline plugin
- DVSP8 driver
- ANPR
- G-Core CamCheck

Please note that some options in the installer require additional packages that are no longer included.
In the case of G-Web, please note that Visual C++ Redistributable 2010 must be installed manually. It is no longer included in the installation program because it has security vulnerabilities.

- Further information on all system requirements can be found in the partner portal!
- Further information on all new functions and improvements is available in the Partner Portal, the online help and from your Geutebrück partner!

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Type	Modul	Detailled Description
Bugfix	G-View	An error that causes BWC events to be jumped to in the wrong order.
Bugfix	SAM	An error that caused the G-Core SAM to be unable to license more than 65535 TB of video database.
Bugfix	SAM	An error that caused the counter for licenses in use in the LicenseManager not to be updated correctly when used on a license server.
Bugfix	SAM	An error that caused the whitelist of the G-Core SAM not to be saved if there were too many entries.
Bugfix	ONVIF plugin	An issue causing the ONVIF plugin not to receive events from a Siqura encoder.
Bugfix	G-Set, ONVIF Plugin	A bug causing G-Set to display G-Core calculated bitrate although already set to constant bitrate in Onvif plug-in.
Bugfix	G-Set, ONVIF Plugin	An error which means that DLS cannot be activated in the ONVIF plugin.
Bugfix	License Manager	An error in the G-Core SAM that led to an incorrect calculation of the upgrade date when used as a central SAM when Traditional and Smart Licensing are mixed.
Bugfix	Universal MP4 Plugin	A bug that caused MP4 files with stereo audio track to not be imported correctly.
Bugfix	G-Web	An issue causing G-Web server being inaccessable if it is connected to multiple G-Core and some are offline.
Bugfix	Server	An error that caused the video streams of the Axis Multihead camera not to be displayed according to the configuration.
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.
Bugfix	Server	An error that causes streams from Axis cameras to fail sporadically.
Bugfix	Server	A bug that caused the tunneling of RTSP streams via HTTPS not to work.
Bugfix	VAMConnect	A bug that caused the VAM service to crash when using the VAM Web API to query indicators that were not contained in the VAM database.
Bugfix	Axis Plugin	An error that causes the Axis plugin to open too many ports in too short a time. After a certain amount of time, this results in the G-Core server and cameras becoming unavailable.
Improvement	PLC	It is now possible to edit the currently selected alarm in OpCon (e.g., with MBeg+).
Improvement	PLC	To enable support and use of global monitor numbers in G-SIM, the following new actions have been added: GB__VCCHangeSceneByNameEx; GB__ViewerChangeSceneEx; GB__ViewerClearSceneEx; GB__VCCClearSceneByNameEx The optional parameter "GlobalMonitorNr" is now available for all of these actions.
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	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.
Information	Installer	In the new G-Core 9.0 installer, some modules previously marked as "phase out" have been removed. This affects the old G-Core CamCheck, the Topline plugin, the NetPorter Switch driver, and the DVSP8 driver. The ANPR installer has also been removed.
Information	LPR	The hardware dongle option has been removed from the LPR installer. Licensing is now only possible via software dongle. ***Attention***: For systems with a hardware dongle, this must be replaced with a software dongle. Please contact your Geutebrück representative.
Information	Barox API Plugin	With the new Barox SNMP plugin, all types of Barox switches can be connected to G-Core. Therefore, the old API plugin is no longer needed. It is now no longer available.
Information	SAM + License Manager	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.

G-Core 9.0.0 System Requirements

SW&HW Requirements

The following table show the recommended minimum requirements for servers and clients of our software.

Please note that the recommendations for CPU are further below.

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.

If further factors apply to your system, please contact Geutebrück GmbH to validate the requirements of your system.

G-Core Server	Memory	Free Space	MS .Net Framework	MS .Net Core	VC++ Redist
G-Core 6 / 7	8GB	50GB	3.5 + 4.6.1	-	2010 for G-Web, 2015-2022
G-Core 8 / 9	8GB	50GB	4.8	6.0 / 8.0	2010 for G-Web, 2015-2022
G-Core Client					
G-Core 6 / 7	8GB	5GB	3.5 + 4.6.1	-	2015-2022
G-Core 8 / 9	8GB	5GB	4.8	6.0 / 8.0	2015-2022
G-Core Web API					
V1.5, V1.59, V2.0	8GB	10GB	3.5 + 4.6.1	6.0	2015-2022
Plugin Loader					
V1.0, V1.2, V1.3	8GB	10GB	-	8.0	-

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G-Core 9.0.0 System Requirements

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. If this version is no longer supported by Microsoft, we recommend using a more recent version that has been tested by us.

Windows 10	22H2	LTSB 2016	LTSC 2019
G-Core Server/Client			
G-Core 6 / 7 / 8	Yes	Yes	Yes
G-Core 9	No	No	Yes

Windows 11	22H2	23H2	24H2	25H2	LTSC 2024
G-Core Server/Client					
G-Core 6 / 7	No	No	No	No	No
G-Core 8 / 9	Yes	Yes	Yes	No	Yes

Microsoft SQL	2014	2016	2017	2019	2022
G-Core Server					
G-Core 6	Yes	No	No	No	No
G-Core 7	Yes	No	No	Yes	No
G-Core 8	Yes	No	No	Yes	Yes
G-Core 9	No	No	No	Yes	Yes
G-Core Client					
G-Core 6, 7, 8, 9	N.A	N.A	N.A	N.A	N.A

Windows Server	2016	2019	2022	2025
G-Core Server/Client				
G-Core 6 / 7	Yes	Yes	Yes	No
G-Core 8	Yes	Yes	Yes	Yes
G-Core 9	No	Yes	Yes	Yes

Please note the following additions:
Ensure that you are using graphics drivers that are compatible with your version of Windows. Further information can be found on the Intel website.
Please also note that security vulnerabilities caused by outdated operating systems are not covered by our support services!

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G-Core 9.0.0 System Requirements

CPU & Drivers Overview

We recommend the following CPU and Intel graphic drivers for the usage of video rendering or decoding/encoding tasks. This applies to our G-Core servers with activated VCA or the client software. We cannot guarantee functionality and performance without the use of recommended drivers. GPU drivers are like any software, each new release can introduce performance and stability issues. If a problem appears at one point, we recommend to try to use a tested version. For older hardware please disable the "Direct 3D-11 Rendering" setting in the login settings of the OpCon or in the general settings of G-View. These drivers are not necessarily part of the G-SIM or G-Core installer.

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic driver version	tested with	DIRECT3D-11 rendering activated	DIRECT3D-11 rendering deactivated
12th Generation Intel® Core™	Alder Lake	Core 12000 Serie Processor	Intel® UHD Graphics 770	31.0.101.4091 (Win 10 21H2)	G-Core 7 & 8	✓	
10th Generation Intel® Core™ i3	Comet Lake	Core 10300 Serie Processor	Intel® UHD Graphics 630	31.0.101.2115	G-Core 7.3 and 8.1		✓
9th Generation Intel® Core™ i3, i5, i7,i9 Processors	Coffee Lake	Core 9100 Serie Processor Core 9500 Serie Processor Core 9700 Serie Processor Core 9900K Serie Processor Xeon E-2244G Processor	Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics 630 Intel® UHD Graphics P630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
8th Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
7th Generation Intel® Core™ i3, i5, i7 Processors	Kaby Lake	Core i3- 7100TE Processor 3.9Ghz Core i5- 7500 Processor 3.4Ghz Core i7- 7700 Processor 3.6Ghz	Intel® HD Graphics 630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
6th Generation Intel® Core™ i3, i5, i7 Processors	Sky Lake	Core i3- 6100TE Processor 2.7Ghz Core i5- 6500 Processor 3.2Ghz Core i7- 6700 Processor 3.4Ghz	Intel® HD Graphics 530	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	31.0.101.2115	G-Core 7.3 and 8.1.1		✓
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5Ghz	Intel® UHD Graphics 600	31.0.101.2115	G-Core 7.3 and 8.1.1		✓

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G-Core Matrix

G-Core Matrix

This overview shows our current interfaces and their dependencies on other products.

We recommend using the latest product versions and the corresponding interfaces, as otherwise not all features and functions can be guaranteed.

G-Core / Plugin Loader

Version	V1.0	V1.2	V1.3
G-Core 6	No	No	No
G-Core 7	Yes	Yes	No
G-Core 8	No	Yes	Yes
G-Core 9	No	No	Yes

G-Core Web API

Version	V1.5	V1.5.9	V2.0
G-Core 6	No	No	No
G-Core 7	Yes	Yes	No
G-Core 8	No	No	Yes
G-Core 9	No	No	Yes

ONVIF S Profile and T Profile Features

Onvif®

Geutebrück supports the following features of the Onvif S Profile (Client) and the Onvif T Profile (Client) :

General		S	T
System Settings		C	C
User Authentication	WS-Username Token	M	
	Digest Authentication	M	M
User Handling		C	C
Query Services and Capabilities		M	M
Device Discovery		C	M
Network Configuration		C	M
Zero configuration		C	
IP Address Filtering		C	
NTP		C	C
Media Profile Configuration		C	C
Media Transport (1)	RTP/UDP	M	M
(1)	RTP/RTSP/HTTP/TCP	M	M
	RTP/RTSP/HTTPS/TCP	M	C
	RTP/UDP Multicast	C	C

Video			
Video Streaming	MJPEG	M	
	MPEG4	C	
	H.264	C	M
	H.265		M
Video Encoder Configuration		M	M
Video Souce Configuration		C	C

		C	M
Media Profile Streaming Ready out of the box		M	M
Video Streaming	RTSP/RTP	C	C
Imaging Settings		M	M

Events		S	T
Event Handling	Pull-point	C	M
	Base-notification	C	
Motion Alarm Events		C	

Audio		S	T
Audio Streaming	G.711	C	C
	AAC	M	M
	G726	M	M
Audio Encoder		M	C
Configuration		C	C

PTZ			
PTZ Move	Absolute	M	
	Continuous	C	
	Relative	C	M
	Relative		M
ÚVZÁÚ¦^•^ơ		M	M
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Ø[&˘ • ÁÔ[} d[			C
Digital Inputs			C
Metadata Configuration		C	C
Metadata Streaming		C	M

(1) Client must support at least one of UDP and HTTP.
Function List use the following abbreviations:
M: Mandatory
C: Conditional

🟩 = Feature is supported.

🟥 = Feature is not supported.

These drivers may not be part of the G-Core installer. You can find a current list in the Geutebrück Knowledge Base:

https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html

Contact details

If you have any questions about the specific requirements of your system, please contact Geutebrück GmbH:

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