GEUTEBRüCK

G-Core

Software Version 8.1

Release Notes

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G-Core Release 8.1

Type	Modul	Detailled Description
Improvement	G-Tect	A default analytics host is now created in G-Set when G-Tect is set up. It is automatically selected when a new camera is added to the analysis.
Improvement	G-Core installer	The G-Core CamCheck will be discontinued soon and is therefore marked "deprecated" in the installer.
Bugfix	G-Core Bosch IPC Plugin	An issue causing a crash of the G-Core server.
Bugfix	G-Core ScanConnect plugin	An issue causing TCP connections not to be closing correctly which leads to reaching the maximum number of open connections.
Bugfix	G-Core ONVIF IPC plugin	An issue causing a connection fail to an iPro WV-S2136L camera.
Bugfix	G-Core Axis BWC	An issue causing a G-Core server crash after some time.
Bugfix	G-View	An issue causing that videos are not correctly shown in a viewer Solution: On generation 11, 12 or 13 hardware one of the following graphics drivers must be installed if Direct 3D 11 is active: 31.0.101.4091 or 31.0.101.4338
Bugfix	G-View	An issue causing reduced performance on generation 12 hardware. Solution: On gen 12 hardware Direct 3D 11 must be activated.
Bugfix	G-Core	An issue causing that the Chinese and Portuguese language is not available.
Bugfix	G-Core G-Tect	An issue causing increase of memory usage after setup change
Bugfix	G-Core Axis und ONVIF IPC Plugins	An issue causing the outputs-contacts in Axis and Onvif to be numbered 2-5 instead of 1-4.
Bugfix	G-Core G-Web	A missing library file caused a crash of G-Web when using a connection to older GeViScope or re_porter Devices.
New Feature	Remote Plugin Loader	This feature allows you to create, edit and delete devices. In this first version, the settings are limited to connection settings, essential settings and selected video stream settings.
New Feature	Remote Plugin Loader	With this feature, it is possible to see the created plugins in a tabular view after the interface has been activated. From here, additional devices can be created, existing devices can be edited and deleted.
New Feature	Plugin Loader	This feature allows you to develop your own plugins.

Remote Plugin Loader v1.0.0

Independent development and integration with our system. This allows us to offer a user-centric approach for an efficient, independent, innovative and customized solution.

Cloud Capability and Multilocation

During the development of the Remote Plugin Loader, special emphasis was placed on equipping it with cloud functionality to enable location-independent use. This enables location-independent access and increased performance.

Independent development and easy integration

This new development phase marks a significant step forward in the customizability and functionality of our system. Plugins can now be designed, developed and integrated independently of Geutebrück or its development team.

Deployment of developed plugins

Once developed, created plugins undergo a thorough review by Geutebrück to ensure that they meet our quality standards and security guidelines. After completing this thorough review, developers have the opportunity to make their created plugins available to the wider user community.

Remote Plugin Loader user interface

The simple and intuitive user interface makes it easy to get started with the newly developed Remote Plugin Loader product. The interface enables the following features in the first version:

 • Tabular listing of all created Remote Plugins
 • Creation of new plugins
 • Easy removal of created plugins
 • Edit/view created remote plugins
 • Integration of self-created plugin interfaces

SQL Server 2022 available

The SQL Server 2020 is now supported by G-Core.

Barox Ethernet switch integration

A new Barox plugin enables G-Core to control the Barox switches. A separate plugin installer is available

LPR improvement

A new classifier for numberplates from Singapore has been added.

Additional hints

G-Core CamCheck is marked as deprecated in the installer to avoid confusions with the new CamCheck.

Please note that the support for G-Core 6.x ends with this release. No further bug-fix releases for this version will be cretated

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G-Core 8.1 System Requirements

SERVER:

Storage for video	minimal: 50GB, recommended at least 1TB
Storage for installation	minimal 50GB, recommended: 128GB
RAM	min. 8GB
CPU recommendation	see table below
Network Interface	min. 1 Gbit/s
Operating System	Windows 10 LTSB(1809), (21H2), Windows Server 2019 (1809), Windows Server 2022 (21H2)
Microsoft SQL Server	SQL Server 2014, 2019, 2022, SQL Server 2014 Express, 2019 Express, 2022 Express (Microsoft SQL Server Express supports 1 physical processor, 1 GB memory, and 10 GB storage)
Microsoft .Net Version	.NET Framework 4.8 & .NET 6.0
Graphics card	Intel graphics card (only for hardware decoding)

CLIENT: SDK: same requirement as the client

Storage for installation	minimal: 5GB
RAM	min. 8GB
CPU recommendation	see table below
Network Interface	min. 1 Gbit/s
Operating System	Windows 10 LTSB(1809), (21H2), Windows Server 2019 (1809), Windows Server 2022 (21H2), Windows 11 (22H2)
Microsoft .Net Version	.NET Framework 4.8 & .NET 6.0
Graphics card	Intel graphics card (only for hardware decoding)

These drivers are not necessarily part of the G-Core installer. You may find an updated list in our Knowledge Base:
https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html

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G-Core 8.1 System Requirements

HARDWARE RECOMMENDATION:

We recommend the following CPU and Intel graphic drivers. 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.

View Stations:

For older hardware please disable the "Direct 3D-11 Rendering" setting in the general section of the G-View settings.

DIRECT3D-11 rendering activated:

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version
12th Generation Intel® Core™	Alder Lake	Core 12000 Serie Processor	Intel® UHD Graphics 770	31.0.101.4091

DIRECT3D-11 rendering NOT activated:

Product Collection	Code Name	Processor Number	Processor Graphics	Graphic Driver Version
10th Generation Intel® Core™ i3	Comet Lake	Core 10300 Serie Processor	Intel® UHD Graphics 630	27.20.100.9466 DCH (Win 10 21H1)
9th Generation Intel® Core™ i3, i5, i7,i9 Processors		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	27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win 10 1809) 27.20.100.9168 DCH (Win Serv 2019 1809)
8th Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630	25.20.100.6519 DCH (Win 10 1809)
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	26.20.100.7263 (Win 10 1809) 26.20.100.7584 (Win 10 1809, DCH)
6th generation Intel® Core™ i3, i5, i7 Processors	Skylake	Core i3- 6100TE Processor 2.7Ghz Core i5- 6500 Processor 3.2Ghz Core i7- 6700 Processor 3.4Ghz	Intel® HD Graphics 530	27.20.100.8682 (Win 10)
4th Generation Intel® Core™ i3, i5, i7 Processors	Haswell	Core i5-4570S Processor 2.9Ghz Core i7-4770S Processor 3.1GHz	Intel® HD Graphics 4600	20.19.15.4377 (Win 10 1607)
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	21.20.16.4678 (Win Serv 2016, Legacy)
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5 Ghz	Intel® UHD Graphics 600	27.20.100.9168 (Win 10 1809)

These drivers are not necessarily part of the G-Core installer. You may find an updated list in our Knowledge Base:
https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html

ONVIF S Profile and T Profile Features

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

Features			S	T
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 Source Configuration			C	C
Media Profile Streaming Ready out of the box			C	M
Video Streaming	RTSP/RTP		M	M
Imaging Settings				M

Features			S	T
Events			**S**	**T**
Event Handling	Pull-point		M	M
	Base-notification		M	
Motion Alarm Events				M
Tampering Event				M
Audio				
Audio Streaming	G.711		C	C
	AAC		C	C
	G726		C	C
Audio Encoder Configuration			C	C
PTZ				
PTZ Move	Absolute		C	M
	Continuous		C	M
	Relative		C	
PTZ Presets			C	C
PTZ – Home Position			C	C
PTZ Configuration			C	C
Additional				
Relay Outputs			C	C
Auxiliary commands			C	C
Focus Control				C
Digital Inputs				C
Metadata Configuration			C	C
Metadata Streaming				C

(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.

Technical alterations reserved.