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G-Core

Software Version 8.3.0

Installable with an upgrade expiration date later August 31st, 2023.

Release Notes

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Release Notes for the Main Features

- To simplify the configuration of events, behavior rules and blocking filters, a received action can now be copied from the PLC Simulator and pasted in the appropriate place. Please also refer to the **online help.**
- The G-Core plugins E3 / E4 / E5 are now able to control the camera iris.

Some critical bugs have also been fixed in this release. (Table)

Notes:

- This release is a prerequisite for PluginLoader V 1.3

Version 1.3 of the plugin loader is delivered with this release as well. Please also note the attached release notes.

G-Core Release 8.3.0

Type	Modul	Detailed Description
Improvement	E3, E4 and E5 plugin	The G-Core plugins E3 / E4 / E5 are now able to control the camera iris.
Improvement	PLCSimulator, G-Set	G-Core action strings can now be copied from the log window in the PLC Simulator and pasted into the event configuration in G-Set. Parameters in the action string are inserted into the event configuration as well.
Bugfix	Sony plugin	A bug in the Sony plugin, which in rare cases led to an access violation and thus to a G-Core server crash.
Bugfix	ONVIF plugin	A bug that causes the DSS Lite function in the ONVIF plugin not to work correctly with H.265 streams.
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	License Manager	An error that caused an upgrade license to fail to load if the device is within the 60-day period for an upgrade, but the license was activated before that.
Bugfix	G-View/OpCon	A bug that caused the audio from another camera to play in a media channel without audio.
Bugfix	G-View/OpCon	A bug that causes a Hanwha QNP-6250 camera, connected via the ONVIF plugin, to sometimes take a long time to connect to a viewer. It can also occur after some time that the live image fails. The recording is not affected.
Bugfix	G-View GBF Export	A bug that causes an access violation during MP4 export if multiple channels are selected that were recorded at different resolutions.
Bugfix	G-View	A bug that causes client privacy masking not to work in a still images if the current user is not allowed to view live stream.
Bugfix	G-View	A bug that causes G-View to crash on Windows 11 under unknown circumstances.
Bugfix	G-Core ONVIF plugin	An issue causing PTZ at some camera types, such as TVT, via ONVIF protocol not to work correctly
Bugfix	G-Core MediaPlayer	An error that caused a video to jerk during playback if several clients accessed the video at the same time.
Bugfix	G-Core Diagnostics	Errors in the SNMP protocol mean that Diagnostics does not work reliably.
Bugfix	GBF-Streamer plugin	An issue causing a recorded event action to be sent only once although the GBF is repeated multiple times.
Bugfix	Event subscription	A bug that caused a client to be unable to subscribe to an event.
Bugfix	Axis plugin	A bug that causes Axis cameras to lose connection when switching to H.265 protocol. Remedy by updating the camera firmware.
Bugfix	Axis plugin	An issue causing that the event mapping is not working with the Axis camera firmware 11.6.94.
Bugfix	Virtual Remote plugin	The fisheye dewarping dialog is now available for remote plugins in G-Set.
Bugfix	Virtual Remote plugin	The digital I/O functionality has been optimized, with a particular focus on enhanced support for additional camera models.

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G-Core 8.3.0 System Requirements

SERVER:

Storage for video	minimal: 5 0 GB, recommended at least 1TB
Storage for installation	minimal 5 0 GB, recommended: 128 GB
RAM	**min. 8 GB** If G-Tect shall be used together with high resolution camers (4k) a higher amount of memory ist strongly recommended (32 GB)
CPU recommendation	see table below
Network Interface	min. 1 Gbit/s
Operating System	Windows 10 (1809, 21H2, 22H2), Windows 11 (22H2, 24H2), Windows Server 2016, 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 .Net Version	.NET Framework 4.8 & .NET 8.0
Microsoft VC Redistributable	VC Redist 2015 - 2022
Graphics card	Intel graphics card (only for hardware decoding)

CLIENT: SDK: same requirement as the client

Storage for installation	minimal: 5 GB
RAM	**min. 8 GB** If high resolution (4k) cameras and monitors shall be used a higher amount of memory is strongly recommended. **32 GB** or more. Please see our performance tests as well.
CPU recommendation	see table below
Network Interface	min. 1 Gbit/s
Operating System	Windows 10 (1809, 21H2, 22H2), Windows 11 (22H2, 24H2), Windows Server 2016, Windows Server 2019 (1809), Windows Server 2022 (21H2)
Microsoft .Net Version	.NET Framework 4.8 & .NET 8.0
Microsoft VC Redistributable	VC Redist 2015 - 2022, G-Web and Imex: VC Redist 2010
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 8.3.0 System Requirements

Geutebrück Server compatibility
G-ST 700, G-ST 800, G-ST 500+, G-St 500+G3, G-ST 2000+, G-ST 3000+, G-ST 3000+ G2, G-ST 3000+ G3, G-ST 6000+, G-ST 6000+ G2, G-ST 6000+ G3, G-ST 8000+, G-ST 8000+ G3

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 (WIN 10 21H2)

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	31.0.101.2115
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	31.0.101.2115
8th Generation Intel® Core™ i3, i5, i7 Processors	Coffee Lake	Core 8000 Serie Processor	Intel® UHD Graphics 630	31.0.101.2115
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
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	31.0.101.2115
Intel® Xeon® Processors E3 v6 Familie	Kaby Lake	Intel XEON E31275V6	Intel® HD Graphics P630	31.0.101.2115
Intel® Celeron® Processors J Serie	Gemini Lake	Intel Celeron J4105 2.5 Ghz	Intel® UHD Graphics 600	31.0.101.2115

These drivers are not necessarily part of the G-Core installer. You may find an updated list in our Knowledge Base:
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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) :

Features				
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				
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.

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