

# GEUTEBRÜCK

## G-Core

Software Version 8.2.1

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### Release Notes

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## Release Notes for the Main Features

**Several critical errors have been fixed in this release.**

### **Body Cams**

- A button for deleting old users has been added to the G-Set interface of the BWC configuration.
- The clarity of the BWC channels has been improved.
- Channels are divided into categories using a color scheme. For more information, please refer to the BWC documentation in [G-Help](#)

Please update the BWC Manager software to version 2.100.

### **Notes:**

The default setting for audio synchronization when displaying a video has been changed to "off". An incorrect upgrade date was inadvertently set in version 8.2.0. Please update to this version.

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Type	Modul	Detailed Description
Improvement	G-Set	The assignment of the pre-history to an event now also works if only one criterion (dynamic or static pre-history is activated) is fulfilled.
Note	G-View	If a recording is made in the future in the meantime, e.g. if the system time is changed by mistake, the search for images that were recorded after this recording but have a lower timestamp will fail. The images from the incorrect recording are always found. This problem can only be solved by performing database maintenance. The section with the incorrect timestamp should be exported as GBF and then deleted from the database.
Feature	G-View	Databases from remote servers can be replicated into another server. Now it is possible to export images and footages from such a replicated database in the server containing it.
Bugfix	G-View	A bug causing G-View to crash when a media channel is dropped into a viewer while the property popup is opened.
Bugfix	Adaptation to new G3 hardware	Due to a change in the I/O hardware in the new G3 platform, it was necessary for the manufacturer to adapt the driver as well.
Bugfix	SQL Server	A bug that caused delete operations in the SQL database to be executed too slowly.
Bugfix	G-Set	An error that causes the streaming of cameras to stop when G-Set connects to the server. This problem has not yet been solved, but the file IPCFinding.dll in the %gngpath% directory can be deleted as a workaround. Streaming will then work again.
Bugfix	LicenseManager	A bug that causes the License Manager web interface to become inaccessible if the computer's password has been changed.
Bugfix	G-View	A bug that causes access violations to occur in G-View if G-View is closed while the cutlist window is open.
Bugfix	G-View / G-SIM OpCon	An error that caused a video to jerk during playback if several clients accessed the video at the same time.
Bugfix	G-View	A bug that caused the dialog that is displayed after a successful export could not be closed via the "X".
Bugfix	G-View	A bug that caused the audio from another camera to play in a media channel without audio.
Bugfix	MP4 plugin	A bug that caused the playback of an imported MP4 file to not work properly depending on the playback direction.
Bugfix	ONVIF plugin	A bug that caused a G-Core crash, triggered by an error in the ONVIF plugin.
Bugfix	UniversalMP4 plugin	A bug that caused the UniversalMP4 plugin to crash the server.
Bugfix	RTSP plugin	A bug that caused DSS parameters to not be saved in the RTSP plugin.
Bugfix	Axis Plugin	A bug that caused a G-Core server crash, triggered by the HTTPS communication setting in the Axis plugin.
Bugfixes	G-Set and Axis BWC plugin	G-Set and Axis BWC Plugin: The architecture of the transfer of Axis BWC MP4 files to G-Core has been revised to make the transfer more reliable.
Bugfix	Bosch plugin	A bug that caused a delay in the response to PTZ commands for the Bosch Autodome 7100i camera type.
Bugfix	E5 plugin	A bug that caused no images to be shown with DSS2.0 in E4 and E5 plugin.

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Bugfix	G-Set	A bug that caused the DSS settings for plugins E4, E5 and RTSP to be reset to default when updating to a newer version.
Bugfix	G-Set	A bug that causes changing the coordinates of devices to wrong values in the hardware plugins when multiple plugins are selected at once and something is changed in one of them.
Bugfix	G-Web	A bug that caused G-Web to crash when a media channel is displayed in playback mode.
Bugfix	E3/E4/E5 plugins with DSS	A bug that causes recording failures to occur with DSS enabled in the E3/E4/E5 plugins.

## G-Core 8.2.1 System Requirements

### SERVER:

Storage for video	minimal: 50 GB, recommended at least 1TB
Storage for installation	minimal 50 GB, recommended: 128 GB
RAM	<b>min. 8 GB</b> 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), 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 6.0
Graphics card	Intel graphics card (only for hardware decoding)

### CLIENT:

Storage for installation	minimal: 5 GB
RAM	<b>min. 8 GB</b> If high resolution (4k) cameras and monitors shall be used a higher amount of memory is strongly recommended. <b>32 GB</b> 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), Windows Server 2016, Windows Server 2019 (1809), Windows Server 2022 (21H2)
Microsoft .Net Version	.NET Framework 4.8 & .NET 6.0
Graphics card	Intel graphics card (only for hardware decoding)

SDK: same requirement as the client

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>

## G-Core 8.2.1 System Requirements

### HARDWARE RECOMMENDATION:

#### 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

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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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Technical alterations reserved.

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