# GEUTEBRÜCK

# G-Core

Software Version 8.3.1

Installable with an upgrade end date later Aug 31, 2023

# Release Notes

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## Release Notes for the Main Features

This bugfix release fixes a critical error that occurs in connection with camera plugins:
Axis PTZ cameras controlled via the MBeg+ did not stop the pan or zoom process. It is not certain whether other plugins are also affected.

*Unfortunately, we discovered another error in the E3 plugin in the last bugfix release. This has been fixed in the current bugfix release.*
*Another critical bug in the Axis plugin, which was discovered in version 8.3.1.1006, has been fixed.*

**It is strongly recommended to use this bugfix release instead of versions 8.3.0.990, 8.3.1.1003 and 8.3.1.1006.**

Please refer to the attached list for further bug fixes.

# G-Core Release 8.3.1

| Type | Modul | Detailled Description |
|------|-------|----------------------|
| Bugfix | E5 Plugin | Fixed a bug that prevented the E5 plugin from connecting via port forwarding. |
| Bugfix | G-View | Bug: G-View:An error that causes G-View to get minimized if the cutlist was previously minimized and then clicked on again. |
| Bugfix | G-Tect | An error that causes a setting in the VMD chain in the VMX area not to be applied correctly. |
| Bugfix | G-Tect | The G-Tect Livecheck signal will now continue to be sent if a failed camera is deactivated in the G-Set media channel menu. Previously, deactivation was necessary under "Image analyzers/Media channels". |
| Bugfix | Axis Plugin | A change in the Axis API caused the overview stream not to be displayed for the Axis P3737 camera type. This is now fixed. |
| Bugfix | Axis Plugin | Due to a change in the Axis API, an AXIS Q1800-LE-3 camera could not connect to G-Core via the Axis plugin. This is now possible again. |
| Bugfix | Axis Plugin | A bug that could cause incorrect resolutions with the Axis plugin. |
| Bugfix | G-Core Server | G-Core crashed repeatedly, caused by switching a camera to H.256 streaming. |
| Bugfix | Plugins | An error that caused Axis PTZ cameras not to stop after a PTZ command when controlling via the MBeg+. |
| Bugfix | Server | An error that caused the E3 plugin to stop working. |
| Improvement | Axis Plugin | Changes in the Axis API are now reflected in the Axis camera plugins. |

# G-Core 8.3.1 System Requirements

**SERVER:**

| | |
|---|---|
| Storage for video | minimal: 50 GB, recommended at least 1TB |
| Storage for installation | minimal 50 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 8.3.1 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:
https://support.geutebrueck.com/de/search/detail/intel-gpu-driver-recommendation.html

# GEUTEBRÜCK

# Onvif®

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

| Features | | S | T |
|---|---|---|---|
| **General** | | | |
| 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** | | | |
| 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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