

# GEUTEBRÜCK

**G-Core**  
Software Version 7.1

---

**Release Notes**

## Table of contents

Release Notes ..... 4

Feature Description .....5

SystemRequirements..... 6

ONVIF S Profile and T Profile Features ..... 8

## G-Core Release 7.1

Software	Type	Short Description	Detailed Description
New Feature	G-Health action	New action dedicated for G-Health	A new action type has been introduced, dedicated to G-Health messages.
New Feature	G-Core: Direct3D	Default setting for Direct3D 11 rendering is active	The Direct3D 11 rendering setting is now active by default.
Bugfix	G-Tect	Analysis setting	After changes to G-Tect settings, the analysis did not provide correct data. The problem has been fixed.
Bugfix	G-Core Bosch IPC Plugin	Not working with newer firmware	An issue which leads to non functional Bosch trace drawing in combination with newer Bosch firmwares.
Bugfix	G-Core SAM	Whitelist issue	A G-Core SAM related issue which leads to multiple entries in the respective SAM whitelist for servers.
Bugfix	G-Core RTSP Client	Stream interruption	An issue causing a stream interruption of RTSP at TCP window 0 using Multicast.
Bugfix	G-Core services	Wrong naming	An issue causing the G-Core services to wrongly named in the Windows services list.
Bugfix	G-Core DebugView output	Unintended SQL database error messages	An issue causing unintended SQL database error messages to be written in DebugView.
Bugfix	G-Core G-Set	Not responding after sync loss	An issue causing G-Set to be not responsive after a sync loss in the Axis IPC plugin.
Bugfix	G-Core Failover	Server is blocking a PLC connection	An issue causing G-Core failover not working correctly. In some rare cases PLC connections are blocked by G-Core server.
Bugfix	G-Core Server	Not starting after update	An issue causing G-Core not starting after update to version 7.1 because of an SQL database error.
Bugfix	G-Core G-View	Flickering video	An issue causing the video flickering in the viewer while resizing using a particular Intel driver.
Bugfix	G-Core VAM	Web service doesn't work	An issue causing G-Core VAM Web service not working because of a missing library file. This file is only copied when G-Web is selected while installation.
Bugfix	G-Core G-Set	Hardware plug-in settings get lost	This bug causes a loss of a plug-in setting.
Bugfix	G-Core LPR	Plate with county code for Fuerth is wrongly recognized	An issue causing that the plate with the county code for Fuerth is wrongly recognized.
Bugfix	G-Core LPR	Not recognizing every plate	An issue causing the LPR not recognizing every plate. The issue was fixed by an improved LPR configuration.

### **Support new G3 hardware**

Support of the new G-ST 3000+ and G-ST 6000+ G3 main board

## G-Core 7.1 System Requirements

### SERVER:

Storage for video	minimal: 50 GB, recommended at least 1 T B
Storage for installation	minimal 50 GB, recommended: 1 28 GB
RAM	min. 8 GB
CPU recommendation	see table below
Network Interface	min. 1 G bit/s
Operating System	Windows 10 LTSC (1607), (1809), (21H2) Windows Server 2016 (1607) Windows Server 2019 (1809)
Microsoft SQL Server	SQL Server 2014 & 2019, SQL Server 2014 Express & 2019 Express (Microsoft SQL Server Express supports 1 physical processor, 1 GB memory, and 10 GB storage)
Microsoft .Net Version	.NET Framework 3.5 & . NET Framework 4.6.1
Graphics card	Intel graphics card (only for hardware decoding)

### CLIENT:

SDK: same requirement as the client

Storage for installation	minimal: 5 G B
RAM	min. 8 GB
CPU recommendation	see table below
Network Interface	min. 1 G bit/s
Operating System	Windows 10 LTSC (1607), (1809), (21H2) Windows Server 2016 (1607) Windows Server 2019 (1809)
Microsoft .Net Version	.NET Framework 3.5 & .NET Framework 4.6.1
Graphics card	Intel graphics card

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 7.1 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)
9. 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)
8. 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)
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>

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.

---

Technical alterations reserved.

**GEUTEBRÜCK GmbH**

Im Nassen 7-9 | D-53578 Windhagen | Tel. +49 (0)2645 137-0 | Fax-999 | E-mail: [info@geutebrueck.com](mailto:info@geutebrueck.com) | Web: [www.geutebrueck.com](http://www.geutebrueck.com)