

Hardware platform for video management applications G-ST 8000+ G3/2U



The hardware platform with higher reliability and redundancy, guarantees optimal interaction with Geutebrück G-Core software.

Ideal as a stand-alone device or as part of a series of servers for larger demanding systems with very high storage space requirements. May be used in networked deployment across multiple facilities or branch offices.

Where a reliable server OS is required for example: Banks, Casino's, Correctional Facilities, Data Centers, Financial Institutions, Hospitals, Logistic Facilities, Museums, Large Retail Stores, Sports Arenas, Transportation Hubs and Warehouses.

The G-ST 8000+ G3 enables the processing of large amounts of data in conjunction with high availability and redundancy requirements.

High performance model with high reliability due to an integrated RAID system holds up to (8) 24TB HDD's.

Possibility to increase video retention by connecting further external RAID storage systems.

Depending on the application, the hardware can be configured with appropriate components.

Higher reliability through included and optional choices of additional redundancy concepts.

Purposefully developed to work seamlessly with G-Core to manage video surveillance systems.

Technical data

Software

Operating System: Microsoft Server 2022 Std. IoT LTSC, CAL-Less	G-Core: 8.1.1 or newer with GPU support	G-SIM: 10.0.1 or newer with GPU support
---	---	---

Performance*

Record: 790 Mbit/s database	Viewer: 430 Mbit/s	G-Tect: AD: 81 channels, VMD: 82channels, VMX: 78 channels
---------------------------------------	------------------------------	--

Memory

System: 1x M.2 SSD 256GB (opt. 2x M.2 SSD Raid1)	Image memory: up to 8xHDD, hot swap, Raid 0,1,5,6
--	---

System

Processor: Intel Core i7 12th gen. IoT	Memory RAM: 32GB ECC DDR5 (opt. 64GB)	Video outputs: 4x DisplayPort V1.4a
Audio output: 1x stereo (line out, phone jack 3.5mm), display port	Audioformat: G.711 (PCM) A-law, μ -law with 8 kHz, Uncompressed PCM up to 16 kHz	Network interfaces: 1x Port 10/100/1000 MBit/s base-TX iAMT 2x Port 10/100/1000/2500 MBit/s
Other interfaces: 1x RS232 16x input contacts, sabotage monitored 8x potential free relay outputs, 24VDC 1A	Power supply: Redundant: 100-240V AC / 60-50 Hz \pm 10%, 2x 500W Hot-Swap	Power consumption: approx. 220 Watt (2x M.2, 8xHDD Raid 5)

Environment

Operating temperature: 0°C to +40°C	Form factor: 2U / 2HE	Dimensions: 19" rack mount unit: 2U x 710 mm (depth); 482 x 89 x 710 mm (W x H x D)
---	---------------------------------	--

Certifications

CE, EAC

Warranty

3 years (opt. 5 years)

Accessories

System memory: 0.08060 M.2 SSD 256GB mirrored, Raid 1	Image storage: up to 8xHDD image storage 2-20 TB per HDD	Network interfaces: 5.35466 1 Port Gbit network card PCIe 5.35465 2 Port Gbit network card PCIe
Memory RAM: 1.02922 16GB ECC RAM Kit (max. 64GB)	SQL Server: 4.92898 SQL Server 2022 IoT Standard with 5 CAL embedded	Memory expansion: 4.94389 RAID-Controller 9580-8i8e for JBOD

*Configuration: G-ST 8000+G3/2U with i7 and 32GB RAM Video source: Scene OutdoorLively, 25fps, H.264, FullHD. Each test was performed separately. In combination the values are lower.

Order numbers:

15.60805S - G-ST 8000 G-SIM Bundle

15.60807S - G-ST 8000 G-SIM Failover