

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



High performance model with high reliability due to an integrated RAID system holds up to (16) 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.

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.

Technical data

Software

Operating System: Server 2022 Standard IoT LTSC	G-Core: 8.1.1 or newer with GPU support	G-SIM: 10.0.1 or later with GPU support
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Performance*

Record: 822 Mbit/s database	Viewer: 560 Mbit/s	G-Tect: AD: 81 channels, VMD: 82 channels, VMX: 78 channels
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Storage

Operating System: 1x M.2 SSD (opt. 2x M.2 SSD Raid1)	Image memory: up to 16x HDD, hot swap, Raid 0,1,5,6
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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 750W Hot-Swap	Power consumption: approx. 220 Watt (1xM.2, 8xHDD Raid 5) Max: 500 Watt (2x M.2, 16x HDD Raid 5)

Environment

Operating temperature: 0°C to +40°C	Form factor: 3U / 3HE	Dimensions: 19" rack mount unit: 3 U x 542 mm (depth); 482 x 133 x 542 mm (W x H x D)
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Warranty

5 years

Accessories

System memory: 0.08060 M.2 SSD mirrored, Raid 1	Image storage: up to 16x HDD 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)		Analog-Kit: 0.02460 Analog-Kit H8 0.02470 Analog-Kit H16