## **GEUTEBRÜCK**

VIDEO MANAGEMENT

SECURITY MANAGEMENT

VIDEO CONTENT ANALYSIS

INTEGRATION AND MONITORING

SERVICE

HARDWAR

## Hardware platform for mobile applications G-ST 500+G3/4R



The hardware platform is designed for mobile use and guarantees optimal interaction with Geutebrück software. The certified construction can be used in vehicles of all kinds and can also be connected via wireless transmission (WLAN, mobile radio). Due to the special design, the hardware is passively cooled and requires no active cooling. The device has four network ports (PoE+). Please note: The parameterization of the system determines the required hardware resources.

- Monitoring of train wagons or sea containers.
- Installation in government vehicles or buses for complete documentation.
- Forklift trucks for optimum monitoring of processes.

- Simple installation in or on vehicles due to compact and easy design.
- Direct on-board operation through low-voltage power supply.
- Installed PoE Ethernet ports for direct connection of IP cameras (4 x RJ-45 connectors).
- Wide temperature range from -25° C 70° C.
- Additional modules (LTE, WIFI & GPS) enable wireless access to video streams and location of the current location.
- Due to passive cooling of the device, no external cooling is necessary.
- Perfectly adapted to the requirements of video surveillance (CCTV).

## **Technical Data**

## Software

Operating System: G-Core:

Windows 10 IoT Enterprise LTSC 8.1 or newer with GPU support

Performance\*

Record: Viewer: G-Tect:

825 Mbit/s database; 95 channels\* Viewer: 340 Mbit/s; 35 channels\* AD: 60 channels, VMD: 62 channels,

VMX: 50 channels

Memory

System Disc Image memory:
1x 256GB M.2 SSD opt. 2x SDD (1x Hot-Plug)

System

Processor: Memory RAM: Video outputs:

Intel Core i3, i5 or i7 12th gen. IoT 16GB DDR5 dual channel 1x DisplayPort, 1x DVI-D, 1x VGA

(Recommended use: max.2)

 Audio output:
 USB:
 Network interfaces:

 1x stereo (line out, phone jack 3.5mm),
 4x USB 3.2(Gen2),
 1x Port 10/100/1000 MBit/s

 display port
 2x USB 3.2(Gen1),
 1x Port 10/100/1000/2500 MBit/s

1x USB-C 3.2(Gen2), 2x USB 2.0

Other Interfaces

Network PoE Interface: Power supply / DC Input: Power consumption:

4x IEEE 802.3at RJ45 Gigabit PoE+ ports 8 - 48 V DC, 280W approx. 80W Ignition Control (without PoE)

Serial Ports: IO Ports: CAN Bus:

2x RS-232/422/485 Ports (COM1,COM2), 4CH isolated DI 1x isolated CAN 2.0 Port

2x RS-232 Ports (COM3,COM4) 4CH isolated DO

**Environment** 

Operating temperature: Vibration, Shock: Form factor / Dimensions: -40°C to +70°C 10% -90% non-condensing EN 50155:2017/ IEC 61373, Category I, Class Mini Rugged Case,

**Weight:** B - Body mounted 240 mm (W) x 225 mm (D) x

Approx. 3.7 kg net (with PSU 6.3 kg) 84 mm (H)

Certifications

CE/FCC: Class A, EMC: E-Mark, EN 50121 (EN 50155 EMC)

according to EN 55032 / EN 55035

Warranty

3 years (opt. 5 years)

Accessories

Image storage: External Power Supply: Antenna:

2x SDD image storage 4.94471| PSU 100 - 240 VDC, 50 -60 Hz 4.94474 | 5G-Antenna SMA-M

4.94475 | WiFi-Antenna RPSMA-M

WiFi: Cellular: External Antenna:

1.02958| mPCI WiFi 6 Kit 1.02959| M.2 5G / LTE Kit 4.94476 | 5G/Wifi/GPS-Antenna Magnetic

Mount

\*Configuration: G-ST 500+G3 i5 Video source: Scene OutdoorLively, 25fps, H.264, FullHD. Each test was performed separately. In combination the values are lower.

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