

# re\_reporter-IP/SE

The ideal entry level solution for pure IP system



## Product information

The re\_reporter-IP/SE is a pure digital network recorder supporting multiple compression algorithms and digital matrix functionalities. The system is TCP/IP-based (1Gbit Ethernet on-board) and provides a pure IP solution. re\_reporter-IP/SE supports IP cameras from lots of different suppliers.

In addition, it provides 16 sabotage controlled binary inputs and 8 relay outputs.

- | TCP/IP-based digital video matrix functionality
- | Intelligent bandwidth management to free-up network and storage capacity
- | Video management functionality based on internal programmable logic controller (GeViPLC)
- | MPEG4CCTV with VIPCAM and CAM2IP - video compression optimised for security applications
- | Integration of unlimited number of systems in the (LAN/WAN) network using TCP/IP with simultaneous database access for up to 10 users
- | Open interfaces and SDKs (Software Development Kits)

**GEUTEBRÜCK**

Competence in Video Security

# Technical data

<b>Video (digital sources)</b>	
Supported IP-cameras	re_porter-IP/SE supports direct recording and playback of network cameras from : ACTI, ARECONTVISION, AXIS, BASLER, Bosch, CNB, IQInVision, JVC, Mobotix, Panasonic, Sanyo, Sony. The frame rate depends heavily on the individual type of camera. Currently M-JPEG-streams are recorded and transmitted. From the first quarter of 2011 H.264 compression is supported too. GEUTEBRÜCK's VIPCAM camera range is recorded with MPEG4CCTV format.
Supported resolutions	All standard and megapixel camera resolutions can be recorded and played back with the appropriate formats.
<b>Video &amp; Audio (output)</b>	
Video output for live and recorded pictures	2 x DVI (SVGA, SXGA, UXGA, 16.7 million colors, resolution depends on the monitor used (up to 1600 x 1200 pixels). Optional composite output (TV-OUT)
Audio outputs	1 x Stereo (Line out, stereo jack 3.5 mm)
<b>Video &amp; Audio (analog sources) with the GeViScope-HS/E (optional) extension unit</b>	
Video standard	CCIR / PAL and EIA / NTSC, TV production quality (sampling rate 13.5 MHz)
Resolution M-JPEG & MPEG4CCTV	704 (H) x 288 (V) pixels (interlaced), 352 (H) x 288 (V) pixels (CIF), 176 (H) x 144 (V) pixels (QCIF), 704 (H) x 576 (V) pixels (4CIF/non-interlaced), 8 bit Luminance, 8 bit Chrominance
Video inputs	16 x CVBS (BNC-connector, 1 Vpp / 75 Ohm), Available with 4, 8, 12 or 16 video inputs depending on the number of DSP boards
Audio inputs	1 x stereo (Line In, stereo jack 3.5 mm), sampling rates: 32 kHz, 44,1 kHz und 48 kHz, 16 bit
<b>Interfaces</b>	
Control inputs	16 control inputs, sabotage monitored (switchable) with GeViScope-HS/E, there are: 16 additional control inputs, sabotage monitored (switchable)
Relay outputs	8 internal relay outputs, 24 V DC, 1 A ; used with GeViScope-HS/E there are 8 additional relay outputs, 24 V DC, 1 A
Serial	1 x serial interface (RS-232) extendable with additional interface board 4 x RS-232 (i.e. camera control)
USB	14x USB 2.0 interfaces, 6 external, 8 internal
Ethernet	1 x Ethernet 10/100/1000 Base-T-interface
ISDN	Optional ISDN S0 via PCI card or router
Keyboard, mouse	USB-connector on the back of the device
<b>Recording &amp; Transmission</b>	
Picture rates M-JPEG & MPEG4CCTV	In conjunction with GeViScope-HS/E: any number with up to 50/60 pictures/s (CCIR/EIA) per camera channel: separate processing of up to 25/30 pictures/s @ 4CIF (CCIR/EIA) for recording and up to 25/30 pictures/s @ 4CIF (CCIR/EIA) for live transmission (dual channel-streaming) Approx. 2.5 Mbit @ 2CIF or 5Mbit/s @ 4CIF resolution (50% M-JPEG) per channel
Compression settings MPEG4CCTV	Variable GOP length VGL, Variable frame rate VFR, Variable bit rate VBR, Constant picture quality CPQ
Network data reduction features	Dynamic Live Streaming (DLS) – Only required data is transmitted Intelligent compression dynamics (ICD) – Only relevant information is processed at high quality
Storage data reduction features	Fading Long Term Memory (FLTM) – Long term data reduction by definition Region Of Non Interest (RONI) – Irrelevant picture areas can be defined and processed at low quality levels.
Latency times MPEG4CCTV	Transmission: Low latency times < 150ms comparable to M-JPEG Time synchronous playback in real time like M-JPEG Switching times/Display: No delays - like M-JPEG, extremely good rewind display function without picture jumping.
Database throughput (CCIR)	Up to 800 fps in 2CIF Quality [32 channels x 25 fps/channel] (analog and digital sources)
Display throughput (CCIR)	Min. 400 fps and up to 800 fps (total of all GscView windows on a separate evaluation station, e.g. GscSpeedView with built-in quad-VGA graphics card)
Software-matrix (CCIR)	In conjunction with GeViScope-HS/E : Real 'live transmission' with max. 25 fps per available video channel (analog sources) Network cameras can be transmitted with their supported frame rate per channel (digital sources)
<b>Storage media</b>	
Internal	Max. 4 S-ATA hard disks for the multimedia database, only limited by current HDD capacities (e.g. 4 x 2 TB), standard hard disk mount
External	Optional SCSI interface for up to 15 hard disks, (Ultra320 SCSI controller required). Optional, external SCSI or iSCSI-based RAID-system (e.g. GeViRAID II), further storage media and solutions on request. Optional DVD drive for manual backup via USB.
<b>General</b>	
Operating system	MS-WINDOWS XP embedded
Processor	INTEL Dual Core processor
RAM	2 x 1 GB DDR3 RAM in the standard version, expandable to 4 x 1 GB DDR3 RAM
Power supply	110 - 240 V AC / 60 - 50 Hz ± 10 %, 300 W
Power consumption	Approx. 200 W fully equipped (4 x S-ATA hard disks)
Mains connector	IEC 320 C13 appliance connector
Ambient temperature	0 °C bis + 40 °C
Dimensions in mm: 19"-version Desktop version	3 HU x 410 mm (depth) 443 mm x 132 mm x 410 mm (W x H x D)
Weight	Approx. 12 kg net
<b>Order No.</b>	<b>0.34890</b>

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Technical alterations reserved

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