GEUTEBRÜCK
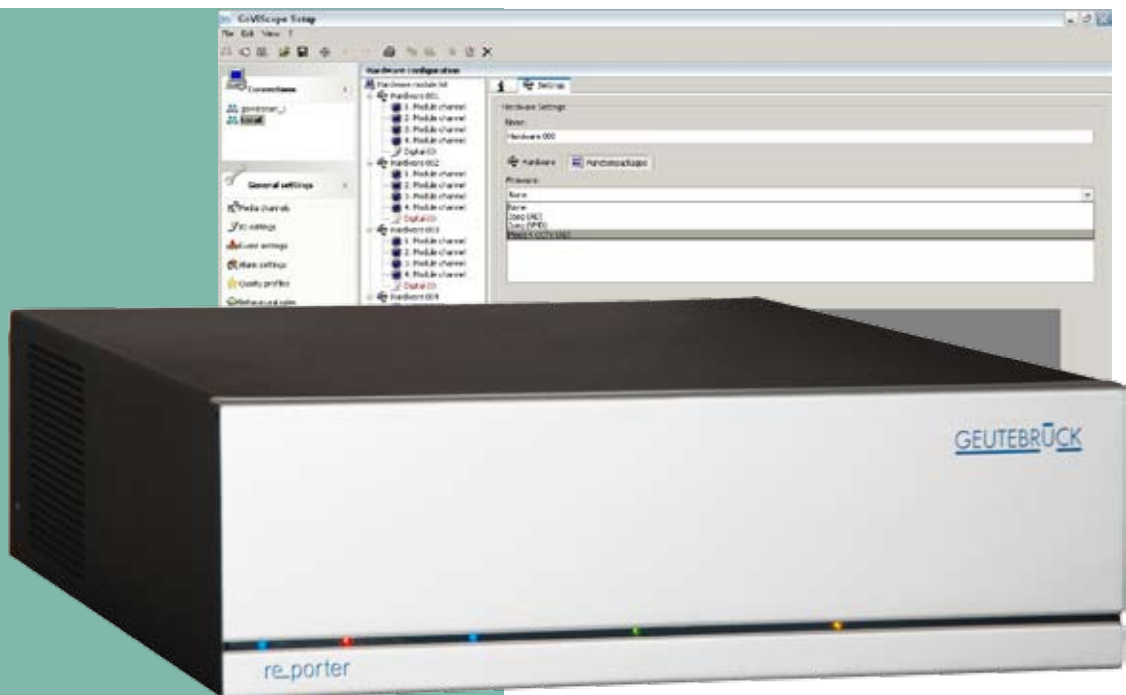
re_porter

Highly integrated video management system for digital storage and transmission of video signals based on MPEG4CCTV format

The basic unit provides 4, 8, 12 or 16 analog camera channels (BNC sockets). As a hybrid system it supports up to 16 IP-cameras of the most famous IP-camera suppliers - also megapixel cameras, suitable for a variety of applications. Its network compatibility allows to expand the system by adding an unlimited number of units. The permanent and event-triggered recording is possible with a maximum picture frame rate of 25 pictures/s per channel - at all picture formats. The unit provides an audio channel and allows lip-synchronous replay. The well proven Activity Detection is also part of the package. Compression is effected using MPEG4CCTV, the GEUTEBRÜCK-compression compliant with all standards and optimized for video surveillance purposes

- Digital video matrix functionality based on TCP/IP (live & recorded pictures)

- Event triggered recordings with high picture rates per camera

- Future-oriented conceptual design using highly flexible, digital signal processors (DSP)

- Video management functionality based on internal programmable logic controller (GeViPLC)

- Integrated Activity Detection and versatile backup function

- Simultaneous database access of up to 10 users possible

- Integration of unlimited systems via network (LAN/WAN) using TCP/IP

- Picture replay fully compatible with MultiScope II plus, MultiScope III and GeViScope systems

Technical data

Video & Audio	re_porter-4	re_porter-8	re_porter-12	re_porter-16
Videonorm	CCIR / PAL and EIA / NTSC Studio quality (Sampling rate 13.5 MHz)			
Resolution	704 (H) x 576 (V) pixel (4CIF [Frames]), 704 (H) x 288 (V) pixel (2CIF [field/interlaced]), 352 (H) x 288 (V) pixel (CIF), 176 (H) x 144 (V) pixel (QCIF), 8 Bit luminance, 8 Bit chrominance			
Video inputs	4, 8,12 or 16 x composite video (BNC-sockets, 1 Vpp / 75 Ohm) or alternative 4, 8, 12 or 16 IP based cameras via ethernet port			
Audio inputs	1 x stereo (line in, stereo jack connector 3.5 mm), Sampling rates supported: 32 kHz, 44.1 kHz and 48 kHz, 16 Bit			
Video outputs for live and recorded pictures	1 x 15-pin VGA-connector (SVGA, SXGA, UXGA, 16.7 million colours, resolution depending on connected monitor up to 1600 x 1200 pixel)			
Audio outputs	1 x stereo (line out, stereo jack connector 3.5 mm)			
Interfaces				
Control inputs	16 internal control inputs, sabotage monitored (switchable)			
Relay outputs	8 internal relay outputs, 24 V DC, 1 A			
Serial	1 x serial interface (RS-232), only expandable via USB to serial adapters or via PCI-Express extension board			
Parallel	1 x parallel interface (Centronics)			
USB	8 x USB 2.0 interfaces (2 front / 6 rear)			
Ethernet	1 x Ethernet 10/100/1000 Base-T interface			
PC-Keyboard, Mouse	PS/2-connectors at the rear side of the unit			
Recording & Transmission				
Picture rates MPEG4CCTV	Separate processing of storage and live transmission 5(DualChannelStreaming) 5Mbit/s @ 4CIF resolution per channel			
Compression settings MPEG4CCTV	Variable GOP length - VGL Variable frame rate - VFR Variable variable bit rate - VBR Constant picture quality - CPQ			
Latency times MPEG4CCTV	Transmission: Low < 150 ms Time synchronous playback in real time Change over times/Display: Without delays Extremely optimized rewind display function without interruptions			
Database throughput	Up to 100 fps (4 channels x 25 fps/ channel)	Up to 200 fps (8 channels x 25 fps/ channel)	Up to 300 fps (12 channels x 25 fps/ channel)	Up to 400 fps (16 channels x 25 fps/ channel)
Display throughput (Live/Recorded pictures)	Livestream: Up to 400 pictures/s in all available formats (Dynamic Live Streaming) // Recorded pictures - time sync GSCView- windows: Up to 400 fps [2CIF] // Recorded pictures - time asynchronous GSCView-windows: Approx. 250 - 350 fps [2CIF] (All values corresponds to a separate evaluation station equipped with an Intel Core 2 Duo > 2.4 GHz, 1 GB RAM accessing one re_porter-16 unit. All readings are given as total sum over all GSCView-windows)			
Soft-matrix	Real „live transmission" with max. 25 fps per each available video channel			
Network cameras	re_porter supports the direct diplay and storage of many of the following network camera types: JVC, AXIS, ARECONTVISION, IQInVision and Mobotix. The recording rate strongly depends on the type of network camera. Currently only M-JPEG picture streams can be recorded and displayed			
Storage media				
Internal	Max. 2 S-ATA hard discs for the multimedia database and the operation system, currently 2 x 1 TByte max.			
External	Optional external storage media on request			
General				
Operating system	Windows XP on the configurable S-ATA hard disc			
Main memory	2 x 512 MB RAM			
Power supply	Mains unit: 110 - 240 V AC / 60 - 50 Hz ± 10 %, 300 W			
Power consumption	Approx. 115 W			
Mains connector	IEC 320 C13 appliance connector			
Environmental temperature	0 °C to + 35 °C			
Dimensions in mm: 19"-version Desktop version	3 HE x 415 mm (depth) 443 x 135 x 415 (W x H x D)			
Weight	Approx. 11.6 kg (incl. 2 hard disks)			
Order no.	**0.34834**	**0.34835**	**0.34836**	**0.34837**

Technical alterations reserved

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