GEUTEBRÜCK

GeViScope-SE (Server)

System for digital storage and transmission of video and audio signals

Product information

GeViScope Server, basic unit without internal compression hardware with preinstalled GeViScope Software including Licence-Dongle. Digital video system platform for storage and transmission of video and audio signals combined with multi standard compression and latest image analysis algorithms including digital video networking on TCP/IP basis (1GBit Ethernet on board). Platform for connecting external GeViScope extension units GeViScope-16E with M-JPeg and/or MPEG4CCTV compression algorithms as well as for storing and managing IP-camera pictures from different vendors.

- Digital video matrix functionality based on TCP/IP (live & recorded pictures)
- Multi standard compression in combination with external extension units GeViScope-16E possible
- Especially suitable for direct recording of network cameras
- Comprising latest PC-architecture for optimum system performance
- Video management functionality based on internal programmable logic controller (GeViPLC)
- Dynamic user interface adaptations triggered by events or user profiles
- Integration of unlimited systems via network (LAN/WAN) using TCP/IP
- Picture replay fully compatible with MultiScope II plus and MultiScope III systems

Technical data

Video & Audio	
Videonorm	In combination with GeViScope-16E: CCIR / PAL and EIA / NTSC Studio quality (Sampling rate 13.5 MHz)
Resolution M-JPEG & MPEG4CCTV	In combination with GeViScope-16E: 704 (H) x 288 (V) pixel (interlaced), 352 (H) x 288 (V) pixel (CIF), 176 (H) x 144 (V) pixel (QCIF), 704 (H) x 576 (V) pixel (4CIF/non-interlaced) 8 bit luminance, 8 bit chrominance
Video inputs	In combination with GeViScope-16E: 16 x composite video (BNC-sockets, 1 Vpp / 75 Ohm), activation of 4, 8, 12 or 16 video inputs depending on number of inserted compression boards
Audio inputs	In combination with GeViScope-16E: 16 x stereo (Cinch-sockets, 2 Veff at 0 dBFS), activation of 4, 8, 12 or 16 stereo channels depending on number of inserted compression boards, 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 colors, 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	In combination with GeViScope-16E: 16 internal control inputs, sabotage monitored (switchable)
Relay outputs	In combination with GeViScope-16E: 8 internal relay outputs, 24 V DC, 1 A
Serial	1 x serial interface (RS-232) expandable by additional PCI card to 4 x RS-232 (e.g. for camera remote control)
Parallel	1 x parallel interface (Centronics)
USB	Up to 8 x USB 2.0 interfaces, 2 at front side, 6 at rear side
Ethernet	1 x Ethernet 10/100/1000 Base-T interface
ISDN	Optional ISDN S0 via PCI card or external router
PC-Keyboard, Mouse	PS/2-connectors at the rear side of the unit
Diagnosis-display	Not applicable for GeViScope-SE
Recording & Transmission	
Picture rates M-JPEG MPEG4CCTV	In combination with GeViScope-16E: 50/60 fps (CCIR/EIA) per channel processed: 25/30 fps (CCIR/EIA) for recording and 25/30 fps (CCIR/EIA) for live streaming per channel (Dual channel streaming) 2,5Mbit/s @ 2CIF resolution (50% M-JPEG) per channel
Compression settings	Variable GOP length - VGL, Variable frame rate - VFR, Variable variable bit rate - VBR, Constant picture quality - CPQ
Latency times MPEG4CCTV	Transmission: Low latency times < 150 ms comparable to M-JPEG, Time synchronous playback in real time like M-JPEG, Change over times/Display: Without delays like M-JPEG, Extremely optimized rewind display function without interruptions
Database troughput (CCIR)	In combination with 2 x GeViScope-16E: Up to 800 fps (32 channels x 25 fps/channel)
Display throughput (CCIR)	150 - 200 fps (total sum over all Gsc/View-Viewers on a separate evaluation station)
Soft-matrix (CCIR)	In combination with GeViScope-16E: Real „live transmission“ with max. 25 fps per each available video channel
Network cameras	GeViScope 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. 3 S-ATA hard discs for the multimedia database, currently 3 x 1 TByte max. Standard hard disc mount, Optional DVD-R drive for manual backup
External	Optional SCSI-interface for up to 15 hard disk´s (U2W-SCSI controller required) Optional external RAID-system (e.g. GeViRAID), further storage media on request
General	
Operating system	Windows XP on a separate system hard disc (E)IDE 80 GByte
Processor	INTEL Pentium D (Dual core) inside or better
Main memory	2 x 512 MB RAM in the basic version, expandable up to 4 x 1 GB RAM
Power supply	Standard mains unit: 110 - 240 V AC / 60 - 50 Hz ± 10 %, 400 W
Power consumption	Approx. 200 W fully equipped (3 S-ATA hard disks, system hard disk)
Mains connector	IEC 320 C13 appliance connector
Environmental temperature	5 °C to + 40 °C
Dimensions in mm: 19“-version Desktop version	 4 HE x 437 mm (depth) 450 x 185 x 437 (W x H x D)
Weight	Approx. 12.2 kg net
Order no.	**0.34830**

Technical alterations reserved

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