re_porter-IP/SE+

Omnibrid Business Surveillance System

Product information

The re_porter-IP/SE+ is a pure digital network recorder supporting multiple compression algorithms and digital matrix functionalities for up to 32 IP camera channels (license). The system is based on TCP/IP (1Gbit onboard Ethernet) providing a sole IP solution. IP-cameras of various brands can be integrated into the system for recording and playback purposes via license. H264CCTV, H.264 and MJPEG formats are supported with free configurable resolutions. In addition, it provides 16 sabotage controlled binary inputs and 8 relay outputs.

| Pure IP network recorder with digital video matrix functionality based on TCP/IP
| Up to 32 network cameras of selected brands can be attached to the system via license
| Omnibrid technology supporting multi standard video compression
| Up to 4 hard disk drives for database (internal)
| iSCSI support for external storage
| 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 system

GEUTEBRÜCK
Competence in Video Security

Technical data		re_porter-IP/SE+
Video & audio sources		
Digital (IP)	Compression algorithms	M-JPEG, H.264 (multimedia), H264CCTV, MPEG4CCTV, MPEG4CCTV/MP
Digital (IP)	Supported resolutions	D1, CIF, QCIF, Megapixel, HD
Digital (IP)	Supported network cameras	re_porter-IP/SE+ supports direct recording and playback of network cameras from: GEUTEBRÜCK VIPCAM, GEUTEBRÜCK EcoLine, JVC, AXIS, ARECONTVISION, IQInVision, Sony, Sanyo, Bosch, Acti, CNB, Panasonic and Mobotix. The ONVIF standard is supported. Detailed and current information on supported IP cameras can be found on our website at: Products/useful information
Digital (IP)	Recording rate	The recording rate strongly depends on the type of network camera and the compression algorithm used.
Digital (IP)	Recording formats	All resolutions supported by the network camera can be recorded and displayed in the corresponding format.
Analog		Analog sources can be connected using CAM2IP. For more information, please see the corresponding technical data sheets.
Video & audio (output)		
Video outputs for live and stored images		Dual DVI (DVI-I and DVD-D) output (QXGA, 16.7 million colors) VGA output (via DVI-I adapter), Display Port (WQXGA, 16,7 million colors) Resolution depending on the connector monitor up to 2048 x 1536 pixels @ 75 Hz (Dual DVI) or up to 2560 x 1600 @ 60 Hz (Display Port). Optional multiple graphic output (up to 4 outputs) with separate graphic card Optional CVBS output (TV/OUT)
Audio outputs		1 x stereo (line out, jack, 3.5 mm)
Interfaces		
Control inputs		16 internal floating input contacts, tamper-monitored (switchable)
Relay outputs		8 internal relay outputs, 24 V DC, 1 A
Serial		1 x serial interface (RS-232) expandable with additional card to 4 x RS-232 (e.g., for remote camera control)
USB		8 USB 2.0 interfaces, 2 on the front, 6 on the back
Ethernet		1 x Ethernet 10/100/1000 base-TX interface, expandable with additional card
PC keyboard, mouse		USB ports on the back of the unit
Recording & transmission		
Database throughput		28-30 MB/s with internal storage (max. 4 SATA hard drives)40-50 MB/s for external storage (e.g. iSCSI RAID System, GeViRAID II)
Playback throughput		Depending on the compression format, up to 20 live channels. MPEG4CCTV: Up to 1200 fps, M-JPEG: Up to 800 fps, H.264 (multimedia): Up to 400 fps (sum of all GSC/view windows on a separate evaluation computer, e.g. GSCSpeedView with built-in quad-VGA graphics card)
Software matrix		Real „live transmission" with up to 25/30 fps per each available video channel (analog sources) Network cameras are transmitted with the frame rate you support (digital sources)
Latency times M-JPEG, H.264 (multimedia)		Depending on the specific IP camera
Functions for data reduction for network and storage	DCS*	Dual Channel Streaming – separate production stream (resolution, compression quality, frame rate) for live streaming and recording
Functions for data reduction for network and storage	DLS*	Dynamic Live Streaming – transmission of scaled images only only in the displayed resolution
Functions for data reduction for network and storage	ICD*	Intelligent Compression Dynamics – automatic control of the compression depending on image content
Functions for data reduction for network and storage	FLTM**	Fading Long Term Memory – automatic (adjustable) reduction of the frame rates in the older database streams
Functions for data reduction for network and storage		* For IP cameras from other manufacturers in conjunction with transcoding ** Based on the principle, not for H.264 (multimedia)

Image processing

Video analysis (may require license*)	Basic AD	License-free integrated Basic Activity Detection for the entire image area.
	ANPR*, ANPR-4ChMux*	Number plate recognition for moving vehicles, and for fleet monitoring
	VCA4IP	Video Content Analysis for IP – ability to use the above video analysis methods and IP sources
Diagnostics		Synchronous signal surveillance (analog sources), contrast surveillance, angle monitoring (CPA), GSCDiagnostics
Compression settings MPEG4CCTV, H264CCTV		Variable GOP length VGL Variable frame rate VFR Variable bit rate VBR Constant picture quality CPQ
Cutlist		Ability to easily create a cutting list for a compact data export.
Data export		Export of image data available in the following formats: GBF* (GEUTEBRÜCK Backup File), MPEG2* (mpg), MPEG4CCTV (m2v), H.264 (h264), Video-DVD* (vob), JPG (3 Qualitäts-Level), BMP All data media under Windows are supported as well as a direct export to CD/DVD. * Export including audio possible

Storage media

Internal	Standard disk holder Max. 4 SATA hard drives for the multimedia database
External	Optional SCSI interface for up to 15 hard drives (Ultra320 SCSI controller required) Optional external RAID system using SCSI or iSCSI-based products (e.g. GeViRAID II), other storage media and storage concepts on request

General

Operating system	Windows 7 on configurable SATA HDD
Processor	INTEL Pentium Dual Core inside or better
Main memory	2 x 1 GB RAM (optionalally upgradeable to 4 x 1 GB RAM)
Voltage supply	Power supply unit: 110 - 240 V AC / 60 - 50 Hz ±10%, 300 W
Power consumption	Approx. 200 W fully equipped (4 x HDD)/approx. 140 W (1x HDD)
Power input	IEC connector according to IEC 320 C13
Ambient temperature	0 °C to +35 °C
Dimensions in mm: as 19" installation unit as a desktop unit	3 U x 415 mm (depth) 443 x 135 x 415 (W x H x D)
Weight	Approx. 11.6 kg net (2x HDD)
Order no.	**0.35114**

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