

# re\_porter-IP/XRdB

Omnibrid Business Surveillance System with redundant Database in exchangeable frame



## Product information

Especially equipped unit for redundant local recording of digital video sources on an internal and exchangeable HDD (Raid 1). The surveillance pictures on the exchangeable HDD can be searched and evaluated for relevant events using a separate GSCSpeedView-XRdB station. The unit offers pure digital recording capabilities and supports multiple compression algorithms for up to 32 IP camera channels. IP cameras of various brands can be integrated into the system for recording and playback purposes via license. H264CCTV, H.264 and M-JPEG formats are supported with free configurable resolutions. In addition, it provides 16 sabotage controlled binary inputs and 8 potential free relay outputs.

- | Pure IP recorder based on TCP/IP with exchangeable storage solution
- | Up to 32 network cameras of selected brands can be attached to the system via license
- | Omnibrid technology supporting multi standard video compression
- | Video management functionality based on internal programmable logic controller (GeViPLC)
- | Dynamic user interface adaptations triggered by events or user profiles
- | Redundant mirrored database (Raid 1) on internal and HDD in exchangeable frame

**GEUTEBRÜCK**  
Competence in Video Security

Technical data		re_porter-IP/XRdB
<b>Video &amp; audio sources</b>		
Digital (IP)	Compression algorithms	M-JPEG, H.264 (multimedia), H264CCTV, H264CCTV/MP, MPEG4CCTV
	Supported resolutions	D1, CIF, QCIF, Megapixel, HD
	Supported network cameras	re_porter-IP/XRdB 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
	Recording rate	The recording rate strongly depends on the type of network camera and the compression algorithm used.
	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.	
	Audio inputs	1 x stereo or 2 x mono (line in, jack, 3.5 mm), ISO/IEC 11172-2 Layer II, sampling rates: 32 kHz, 44.1 kHz and 48 kHz, 16-bit
<b>Video &amp; audio (output)</b>		
Video outputs for live and stored images	DVI-I output (QXGA, 16.7 million colors) Display Port (WQXGA, 16,7 million colors) Resolution depending on the connector monitor up to 2048 x 1536 pixels @ 75 Hz (DVI) or up to 2560 x 1600 @ 60 Hz (Display Port).	
Audio outputs	1 x stereo (line out, jack, 3.5 mm)	
<b>Interfaces</b>		
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 x 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 / alternative PS/2	
<b>Recording &amp; transmission</b>		
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 32 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 (analog source) MPEG4CCTV MPEG4CCTV/MP H264CCTV	Transmission: Low latency < 150 ms Synchronized real-time playback Switching times/display without delay Optimized reverse playback without image jumps
	M-JPEG (IP source) H.264 (multimedia)	Depending on the specific IP camera
Function for data reduction	FLTM*	Fading Long Term Memory – automatic (adjustable) reduction of the frame rates in the older database streams
		* Based on the principle, not for H.264 (multimedia)

<b>Image processing</b>		
Video analysis (may require license*)	Basic AD	License-free integrated Basic Activity Detection for the entire image area.
	Advanced AD	Advanced Activity Detection – 42 x 34 configurable detection cells, reaction time: 160 ms
	G-Tect/MOP	Motion Privacy
	CPA	Camera Position Authentication
	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 quality levels), BMP All data media under Windows are supported as well as a direct export to CD/DVD. * Export including audio possible	
<b>Storage media</b>		
Internal	2 TB SATA data HDD mounted in standard disk holder mirrored with a 2 TB HDD inside an exchangeable frame (Raid 1)	
External	Optional external RAID system using iSCSI-based products (e.g. G-VRaid), other storage media and storage concepts on request	
<b>General</b>		
Operating system	Windows 7 on 40 GB SATA SSD	
Processor	INTEL Pentium Dual Core inside or better	
Main memory	2 x 2 GB DDR3 RAM	
Voltage supply	Power supply unit: 110 - 240 V AC / 60 - 50 Hz ±10%, 300 W	
Power consumption	Approx. 180 W fully equipped (2 x HDD, 1 x SSD)	
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. 12 kg net	
<b>Order no.</b>	<b>0.35117</b>	

# compe tence

re\_porter\_IP/VRdB\_PI\_EN\_29.08.2012

Technical alterations reserved

**GEUTEBRÜCK GmbH**

Im Nassen 7-9 | D-53578 Windhagen | Tel. +49 (0)2645 137-0 | Fax-999 E-mail: [info@geutebrueck.com](mailto:info@geutebrueck.com) | Web: [www.geutebrueck.com](http://www.geutebrueck.com)