

G-Scope/1006

Compact Class Business Surveillance System



Product information

Especially compact pure digital network recorder for up to 6 digital video sources for use in locations with limited space. The unit offers highly sophisticated recording and networking capabilities and supports multiple compression algorithms. It provides two TCP/IP ports (1 GBit) and allows to integrate IP-cameras of various brands 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 8 sabotage controlled binary inputs and 4 relay outputs.

Very compact pure IP network recorder with digital video matrix functionality based on TCP/IP

Up to 6 network cameras of selected brands can be attached to the system via license

Omnibrid technology supporting multi standard video compression

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

GEUTEBRÜCK
Competence in Video Security

Technical data		G-Scope/1006
Video & audio sources		
Digital (IP)	Compression algorithms	M-JPEG, H.264 (multimedia), H264CCTV, H264CCTV/MP, MPEG4CCTV
	Supported resolutions	D1, CIF, QCIF, Megapixel, HD
	Supported network cameras	G-Scope/1006 supports direct recording and playback of up to 6 network cameras from: GEUTEBRÜCK TopLine, VIPCAM, EcoLine, JVC, AXIS, ARECONTVISION, IQInVision, Sony, Sanyo, Bosch, Acti, CNB, Panasonic and Mobotix. The ONVIF standard is supported. Some IP camera sources have to be licensed. 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
Video & audio (output)		
Video outputs for live and stored images		DVI-I output, VGA output (in combination with optional DVI-I Adapter), Display Port, HDMI
Audio outputs		1 x stereo (line out, jack, 3.5 mm)
Interfaces		
Control inputs		8 internal floating input contacts, tamper-monitored (switchable)
Relay outputs		4 internal relay outputs, 24 V DC, 1 A
Serial		2 x serial interface (RS-232)
USB		5 x USB 2.0 interfaces, 1 on the front, 4 on the back
Ethernet		2 x Ethernet 10/100/1000 base-TX interface
PC keyboard, mouse		USB ports on the back of the unit / alternative PS/2
Recording & transmission		
Database throughput		23-25 MB/s with internal storage, 38-40 MB/s for external storage (e.g. iSCSI RAID System)
Playback throughput		Depending on the compression format, up to 6 live channels. MPEG4CCTV: Up to 1200 fps, M-JPEG: Up to 800 fps, H.264 (multimedia): Up to 600 fps (sum of all GSC/view windows on a separate evaluation computer.)
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)
Image processing		
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
Diagnosics	Synchronous signal surveillance (analog sources), contrast surveillance, angle monitoring (CPA), GSCDiagnosics	
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	1 x 3.5" 1TB SATA HDD	
External	Optional external iSCSI-based RAID system (e.g. G-VRaid)	
General		
Operating system	Windows 7 embedded 64Bit SATA HDD	
Processor	AMD Dual Core Processor T56N (1.6 GHz / 18 W) or better	
Main memory	2 x 2 GB DDR3 RAM	
Voltage supply	External power supply unit: 90-264 V AC / 50-60 Hz, 24 V DC / 3 A	
Power consumption	24 V DC / 1 A	
Power input	IEC connector according to IEC 320 C13	
Ambient temperature	0 °C to +55 °C	
Dimensions in mm: as 19" installation unit as a desktop unit	2 U x 258 mm (depth) 302 x 96 x 258 (W x H x D)	
Weight	Approx. 5.4 kg	
Order no.	0.38112	

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G-Scope_1006_PL_EN 30.08.2012

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