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net_porter

The intelligent IP network recorder with integral PoE switch



Well arranged. Rear side view on net_porter.



Connect up to 16 IP cameras.



Product information

net_porter is a pure network-based NVR with a built-in high performance 180W PoE switch which supports the direct connection of up to 16 cameras. The standard model has 8 separate 1000Base TX ports for connecting IP camera devices. net_porter has a modular structure and can be expanded by a further 8 ports, each with 1000 Mbit/s, by plugging in an additional switch board. The integral PoE switch makes connecting up and installing the IP cameras much easier. As each IP camera is connected, it is automatically allocated a unique IP address by DHCP – manual settings are not required.

The device is an all-rounder, suitable for almost any kind of application and does not require the usual external ancillary components such as extra PSUs for IP cameras, switches or midspan components.

- | Pure IP network recorder with Omnibrid technology and TCP/IP-based digital matrix functionality
- | Direct connection of up to 8 PoE or PoE+ IP cameras via built-in PoE switch – optionally expandable to 16x 1000Mbit IP camera ports
- | Easy and quick installation of IP cameras using DHCP and optical status display for all ports
- | No additional set up cost and independent of external switch manufacturers
- | Support for NVR and switch from the same source
- | IP-camera setup and switch configuration using a central set-up interface
- | Display of relevant IP address box on the available RJ45-Ports (automatically, manual, static) for optimal overview during configuration
- | Remote controlled voltage management and display of the current power consumption for all connected PoE cameras
- | Preconfigured device with 2 TB database, up to 4 (internal) hard disks

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Competence in Video Security

Video & audio sources

Digital (IP)	Compression algorithms	M-JPEG, H.264 (multimedia), H264CCTV, MPEG4CCTV, MPEG4CCTV/MP
	Supported resolutions	D1, CIF, QCIF, Megapixel, HD
	Supported network cameras	net_porter supports direct recording and playback of network cameras from: GEUTEBRÜCK TopLine, GEUTEBRÜCK E-Serie, GEUTEBRÜCK VIPCAM, JVC, AXIS, ARECONTVISION, Basler, FLIR, Hikvision, Hitron, IQInVision, Pelco, RIVA, RTSP-Universal, Samsung, 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.
	Number of IP sources	Up to 16 IP cameras directly via integrated managed PoE switch (Optional card net_porter/SW8 inbuilt) / 8 IP camera ports available in basic configuration. Up to 32 video sources (TopLine, CAM2IP) are supported license free. Max 32 3rd party cameras can be integrated via license.
	Audio formats	G.711 (PCM) A-law, μ -law at 8 kHz, uncompressed PCM up to 16 kHz
Analog	Analog sources can be connected using CAM2IP. For more information, please see the corresponding technical data sheets.	
	Audio inputs	1 x Mono (System audio) ISO/IEC 11172-2 Layer II, Sampling rates: 32 kHz, 44,1 kHz und 48 kHz, 10 bit

Video & audio (output)

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 (Dual DVI) or up to 2560 x 1600 @ 60 Hz (Display Port).
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	8 x Ethernet 10/100/1000 Base-TX PoE IP camera switch integrated, extensible via optional net_porter/SW8 (1.04000) to 16 x Ethernet IP camera ports, 1 x Ethernet 10/100/1000 base-TX interface (on board), 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, G-VRaid)
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	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 (Picture blurring function for moving objects)
	CPZ	Client Privacy Zones (Picture blurring function for predefined areas)
	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 levels of quality), 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 external RAID system using iSCSI-based products (e.g. G-VRaid), other storage media and storage concepts on request	
General		
Operating system	Windows 7 embedded 64 Bit	
Processor	INTEL Core i3 3,30 GHz inside or better	
Main memory	2 x 2 GB RAM (optionally extendable to 4 x 2 GB RAM)	
Voltage supply	Power supply unit: 110 - 240 V AC / 60 - 50 Hz ±10%, 530 W	
Power consumption	Approx. 200 W fully equipped (4 x HDD) w/o PoE / Approx. 140 W (1x HDD) w/o PoE	
Power budget for PoE	180 W in total (distributed to max. 16 PoE or PoE+ Ports)	
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 (2x HDD)	
Order no.	0.38500	

compe tence

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