8-Channel PoE Network Video Recorder (NVR)

Art.-Nr. NVR10021P

Convenient commissioning
Setting up the cameras in the recorder is quick and safe thanks to the intuitive installation wizard. The clear menu allows quick and easy programming. All ABUS cameras are integrated via protocol.

Free choice when operating
The local menu of the live view is clearly laid out and self-explanatory. The recorder can also be accessed via web browser, ABUS CMS software or app.

ABUS Link Station
The ABUS NVRs support the ABUS Link Station service. This allows easy setup in the app. The NVR can be accessed from the Internet without complex port forwarding. The service also offers a solution if only one IPv6 Internet address is available at the location.

Efficiency in everyday life
Fast and secure access control via the connectable ABUS licence plate recognition camera. A lot of time can be saved in the event of an incident: The integrated motion detection with object recognition (human/vehicle) enables a structured and efficient search of events, even for older ABUS IP cameras (see compatibility list).

Technologies

- Live view and recording of up to 8 IP cameras @ 8 MPx (4K)
- High-performance network data throughput with up to 336 MBit/s (80 MBit/s in / 256 MBit/s out)
- Integrated PoE switch (max. 150 watts) for power supply and fast commissioning of IP cameras
- Simple operation locally on the device, via web browser, ABUS CMS software or app
- Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time
- Manual or controlled recording according to schedule, motion detection, alarm input or VCA
- Recording on up to 2 SATA hard drives for extensive and reliable storage of video data

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Technical data - 8-Channel PoE Network Video Recorder (NVR)

AC power supply	100 V
Alarm generation	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push
Alarm inputs (NO/NC)	4
Application purpose	General surveillance
Audio	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 1 x Cinch (1000 Ω)
Audio compression	G.711ulaw / G.711alaw / G.722 / G.726 / AAC / MP2L2 / PCM
Battery - GRS type	CR1220
Battery - quantity	1
Camera inputs	8
Compatible with ABUS Link Station	Yes
Compatible with Secoris	No
Compatible with wAppLoxx Pro	No
Connections	1 x HDMI, 1 x VGA, 2 x RJ45 LAN, 8 x camera input (PoE), 1 x audio input (Cinch), 1 x audio output (Cinch), 1 x USB 3.0, 1 x USB 2.0, 1 x BNC output, 1 x DC input, 4 x alarm input, 1 x alarm output
Control unit	USB mouse, IP network via Internet browser/ABUS CMS
Current consumption	2,200 mA
DDNS	Yes
Data backup	1 x USB 2.0, 1 x USB 3.0
Decoding performance (local live view & playback)	AI in NVR off: max. 64 MPx, AI over NVR: max. 40 MPx
Depth	315 mm
Dimensions	380 x 315 x 50 mm
Event memory	Yes
Gross weight	3.7 kg
HDMI Out	Yes
Height	50 mm
Housing material	metal
Hybrid capable	No
Language OSD	DE, EN, FR, NL, DK, IT, ES, SE, PL
Length	315 mm
Loi Sarkozy compliant (only valid for FR)	Yes
Max. Air humidity	90 %
Max. Operating temperature	55 °C
Max. number of video feeds	8

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Min. operating temperature	-10 °C
Mobile access	Yes
Monitor outputs	1 x VGA, 1 x HDMI
Mounting type	Table, 19 inch rack (Note: fan integrated in recorder)
Multi-monitor function	Yes
NTP	Yes
Net weight	1.8 kg
Network cameras	ABUS network cameras, 3rd party (abus.com), RTSP, Open Network Video
Network connection	8 x RJ45 PoE (IEEE 802.3 af/at, max. 150 W) + 2 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings
Network protocols	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, ABUS Server, NTP, RTSP, SMTP, SNMP, HTTP, HTTPS
Number of HDDs	2
Number of channels	8
Number of users	32
Other functions	Via NVR: 8 channel authorisation. (ABUS cameras from 2022, person/vehicle, see compatibility list)
PSTI conformity given	Yes
PSTI conformity needed	Yes
PTZ control	Over IP network
PoE Standard	802.3 at (PoE+)
Power consumption	180 W
Power consumption incl. HDD	190 W
Pre/post-alarm memory	Yes (pre-alarm depends on resolution and bitrate, post-alarm (5 - 600 sec.)
Product group	Recorders
Product security update min until	2026-08-01
RAID	No
RS-485 interface	No
Recording modes	Manual, Schedule, Motion Detection, Alarm Input, VCA
Relay output	1 (load capacity: 12 V DC/1 A)
Resolution HDMI output	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz
Resolution VGA output	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Resolution recording @ frame rate per camera	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps
Search modes	Event, Date & Time, Smart Search, VCA
Simultaneous network access	128 camera connections
Storage medium	2 x SATA HDD (up to 16 TB per HDD)
Total PoE power	150 W

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Total frame rate (PAL)	200
Total network throughput (input/output)	336 MBit/s (80 MBits/256 MBits)
Total video channels	8
User levels	3
Video Content Analysis (VCA)	Yes
Video channels AHD	0
Video channels HD-CVI	0
Video channels HD-SDI	0
Video channels HD-TVI	0
Video channels IP	8
Video channels analog	0
Video compression	H.264, H.265 (incl. Dynamic GOP)
Video motion detector included	Yes
Views	1 / 4 / 6 / 8 / 9
WEEE group	09
Web server	Yes
width	380 mm

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