16-Channel PoE Network Video Recorder (NVR)

Stream, operate and record up to 16 cameras
When connected to the integrated PoE switch, it supplies the cameras with power and configures the network parameters. Setting up the cameras in the recorder is quick and safe thanks to the intuitive installation wizard. The clear menu allows for easy and quick programming. All ABUS cameras are integrated by protocol.

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

ABUS Link Station
The ABUS NVRs support the ABUS Link Station service. This allows for easy setup in the app. The NVR can be accessed from the Internet without the need for 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 license plate recognition camera. A lot of time can be saved in the event of an incident: The integrated object recognition, face recognition with single image capture or people search based on a facial image enable structured and efficient searching.

Technologies

- Live view and recording from up to 16 IP cameras @ 8 MPx (4K)
- High-performance network data throughput with up to 416 Mbit/s (160 Mbit/s in / 256 Mbit/s out)
- Integrated PoE switch (max. 200 watts) for power supply and fast commissioning of IP cameras
- Simple local operation on the device, via web browser, ABUS CMS software or app
- VCA function 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
- Face recognition and detection with single image capture for efficient event search in the video stream
- Search for people for rapid clarification in the event of an incident with facial image

16-Channel PoE Network Video Recorder (NVR)

Technical data - 16-Channel PoE Network Video Recorder (NVR)

AC voltage supply	100 V
AHD video channels	0
Alarm inputs (NO/NC)	4
Alarming	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push
Analogue video channels	0
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	16
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, 16 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	USB mouse, IP network via Internet browser/ABUS CMS
DDNS	Yes
Dimensions	380 x 315 x 50 mm
Event memory	Yes
Gross weight	3,7 kg
HD-CVI video channels	0
HD-SDI video channels	0
HD-TVI video channels	0
HDMI Out	Yes
Height	50 mm
Housing material	metal
Hybrid-capable	No
IP video channels	16
Installation type	Table, 19 inch rack (Note: fan integrated in recorder)
Length	315 mm
Loi Sarkozy compliant (only valid for FR)	Yes
Max. humidity	90 %
Max. operating temperature	55 °C
Min. display resolution	1024 x 768 Pixel

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Technical data - 16-Channel PoE Network Video Recorder (NVR)

Min. operating temperature	-10 °C
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)
Monitor outputs	1 x VGA, 1 x HDMI
Multi-monitor function	Yes
NTP	Yes
Net weight	1,8 kg
Network access	16 x RJ45 PoE (IEEE 802.3 af/at, max. 200 W) + 2 x RJ45 10/100/1000 Mbps
Network cameras	ABUS network cameras, 3rd party (abus.com), RTSP, Open Network Video
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	16
Number of users	32
OSD language	DE, EN, FR, NL, DK, IT, ES, SE, PL
Other functions	16 channel motion detection or 4 channel VCA or 4 channel face detection, 8 channel face comparison, VCA (intrusion detection, tripwire, enter region, leave region)
PSTI conformity given	Yes
PSTI conformity required	Yes
PTZ control	Over IP network
Performance decoding (local live view & playback)	AI in NVR off: max. 64 MPx, AI over NVR: max. 40 MPx
PoE standard	IEEE 802.3 af/at (max. 200 W)
Power consumption	3.200 mA
Power consumption incl. HDD	240 W
Pre/post alarm memory	Yes (pre-alarm depends on resolution and bitrate, post-alarm (5 - 600 sec.)
Product security updates at least until	2026-08-01
RAID	No
RS-485 interface	No
Recording modes	Manual, Schedule, Motion Detection, Alarm Input, VCA
Recording resolution @ 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
Relay output	1 (load capacity: 12 V DC/1 A)
Resolution HDMI output	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
Search modes	Event, Date & Time, Smart Search, VCA, Face
Simultaneous network access	128 camera connections
Storage	1 x USB 2.0, 1 x USB 3.0

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Storage medium	2 x SATA HDD (up to 16 TB per HDD)
Technology	IP
Total frame rate	400 fps
Total network throughput (input/output)	416 MBit/s (160 MBits/256 MBits)
Total video channels	16
User levels	3
Video Content Analysis (VCA)	Yes
Video compression	H.264, H.265 (incl. Dynamic GOP)
Views	1 / 4 / 6 / 8 / 9 / 16
Web server	Yes
Width	380 mm