

16-Channel Network Video Recorder (NVR)

Art.-Nr. NVR10031

Seite 1 von 4



Stream, operate and record up to 16 cameras

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 per 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 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)
- 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

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

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)

16-Channel Network Video Recorder (NVR)

Art.-Nr. NVR10031

Seite 2 von 4

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

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, 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
DC voltage supply	12 V
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
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	2 x RJ45 10/100 /1000 Mbps

16-Channel Network Video Recorder (NVR)

Art.-Nr. NVR10031

Seite 3 von 4

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

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	Via NVR: 16 channel authorisation. (ABUS cameras from 2022, person/vehicle, see compatibility list)
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
Power consumption	3.400 mA
Power consumption incl. HDD	40 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	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
Search modes	Event, Date & Time, Smart Search, VCA
Simultaneous network access	128 camera connections
Storage	1 x USB 2.0, 1 x USB 3.0
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

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Art.-Nr. NVR10031

Seite 4 von 4

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

Video compression	H.264, H.265 (incl. Dynamic GOP)
Views	1 / 4 / 6 / 8 / 9 / 16
Web server	Yes
Width	380 mm