

# 16-channel NVR 360 Mbit (200/160)

Art. no. TVVR45021

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- Recording and management of video streams of up to 360 MBit/s data throughput
- Corresponds to up to 16 ABUS network cameras with HD resolution (1080p)
- 4-channel live display at 2.0 MPx resolution
- Installation wizard for easy setup
- Central management of surveillance images with ABUS CMS software
- Mobile access using the iDVR app

Rely on this network recorder (NVR) for recording and management of medium-sized IP-based video systems. The data is transferred from the network camera to the recorder via LAN; transmission to the monitor is via the HDMI output.

360 MBit/s data throughput for up to 16 HD cameras

The performance of the NVR is determined by the max. data throughput. This NVR professional recorder can operate at 360 MBit/s – this corresponds to up to 16 cameras with HD 1080p resolution and 25 frames/s.

Great performance, compact setup

The NVR is a stand-alone system that doesn't need an operating system. Triplex operation enables simultaneous live display, recording, and operation. Live display of four channels (1080p) is possible; remote access is via Internet browser, CMS software, or app.

Recording and central management of several systems

Data is saved to up to eight S-ATA hard drives (not included in the scope of delivery). The CMS Central Monitoring Software, with its intuitive software interface, is ideal for central management of several locations. It allows the user to use a PC to access the NVRs at any number of locations, such as in companies with several branches.

Surveillance center including alarm and security functions

The NVR features intelligent alarm and security functions to enable an appropriate response to incidents. For example, an e-mail with images can be sent to predefined addresses in case of an alarm or detection of motion.

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A stand-alone surveillance center that does not depend on PC systems

The powerful NVR with 360 Mbit/s is the right solution for IP-based video recording on stand-alone, fully equipped recorders. Since it doesn't have an operating system, the NVR is protected from viruses and Internet attacks. The system can be managed by a security officer or the boss himself, for example.

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## Technical Data:

Compliant with loi Sarkozy (FR only)	Yes	Max. operating temperature	55 °C
Total network throughput (input/output)	360 MBit/s (200 MBit/s / 160 MBit/s)	Max. humidity	90 %
ONVIF	Profile S	Min. operating temperature	-10 °C
Dimensions	(WxHxD) 470 x 90 x 445 mm	Mobile access	iDVR (Apple iOS & Android)
Alarm inputs (NO/NC)	16	Monitor outputs	1 x VGA, 1 x Main BNC, 1 x HDMI
Alarming	Acoustic warning signal, OSD signal, e-mail	Net weight	8 kg
Views	1 / 4 / 6 / 8 / 9 / 16	Network access	RJ45 10/100 /1000 Mbps
Audio	Line In: 1 x Cinch (2,0 V p-p, 1000 Ω), Audio Out: 2 x Cinch (600 Ω)	Network functions	Live view, playback, data export, settings
Recording resolution @ frame rate per camera (PAL)	16 x 1080p @ 200 MBit/s	Network cameras	ABUS network cameras
Live view resolution	VGA: 1024 x 768 / 60 Hz, 1024 x 768 / 70 Hz, 1280 x 1026 / 60Hz HDMI: 1920 x 1080 /60Hz,1280 x 1024 / 60 Hz, 1024 x 768 / 60 Hz	NTP	Yes
Recording modes	Manual, schedule, motion detection, alarm, motion detection and alarm, motion detection or alarm	Relay output	4 (maximum load: 12 V DC / 1 A)
Recording duration at max. resolution and frame rate	37 hours/TB	Software	ABUS CMS software
Recording duration at min. resolution and frame rate	149 hours/TB	AC voltage supply	100 - 240 V
User levels	2 (max. 31 user)	Storage medium	8 x SATA , 1x eSATA HDD ports
Operating mode	Triplex	OSD language	German, English, French, Danish, Dutch, Polish, Italian
Width	470 mm	Control	Mouse, remote control
Storage	3 x USB 2.0, e-SATA	Search modes	By event, date and time, Smart-Search
DDNS	Yes	Analog video channels	0
Total frame rate (PAL)	400	Total video channels	16
Simultaneous network access	128 camera connections	HD-SDI video channels	0
Height	95 mm	IP video channels	16
Length	450 mm	Pre-alarm/post-alarm memory	0 - 900 / 5 - 900 s
Power consumption	<45 W	Certifications	CE