

16-channel analogue HD video recorder

Art.-Nr. HDCC90023

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Easy installation and immediate start-up

The ABUS 16-channel analogue HD video recorder enables uncomplicated setup according to the plug & play principle. Ideal for retrofitting or for new security projects with analogue HD technology. The connection is realised via coaxial cable or via an optional 2-wire analogue HD transmission set - the live image and recording are available in real time.

Efficient storage solution with H.265 compression

With modern H.265 video compression, storage space is used efficiently - twice the recording time with the same quality. The recorder supports up to two hard drives with up to 12 TB each, i.e. a total of up to 24 TB storage capacity for seamless video surveillance

Highest image quality via Ultra HD HDMI

The integrated Ultra HD HDMI connection guarantees loss-free image output in full resolution. Up to 16 channels can be played back synchronously. With the USB 3.0 connection, data can be exported quickly - ideal for preserving evidence.

Intuitive operation - local and mobile

The video data is analysed directly on the monitor, via a web browser, via the user-friendly ABUS CMS software or with the ABUS Link Station app for Android and iOS when out and about. Everything in view at all times - even on the move.

Intelligent motion detection with object recognition

By automatically differentiating between people, vehicles and disturbing influences such as light reflections or moving branches, the recorder significantly reduces unnecessary false alarms.

Maximum compatibility with Pentaplex support

TVI (up to 8 MPx), CVI (up to 8 MPx), AHD (up to 5 MPx) and FBAS/CVBS (PAL/NTSC) are supported at all BNC inputs. In addition, two IP channels up to 8 MPx can be integrated - ideal for hybrid or modernised surveillance solutions.

Technologies

- Pentaplex support: Recording and live display of all channels up to 8 MPx (selected ABUS IP cameras, TVI, CVI, AHD, CVBS)

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- Use storage space twice as efficiently: Data compression with H.265
- 4K Ultra HD HDMI connection for lossless viewing of connected cameras on a 4K monitor
- Perfect for upgrading existing systems to higher resolution
- Supports cable lengths of up to 500 m (RG6 cable, 720p resolution)
- USB 3.0 interface for fast data export
- Permanent recording: 2x HDD up to 12TB
- Easy to operate: control via local monitor, browser, app or ABUS CMS software
- 2-way audio and alarm flashing light function possible in combination with HDCC52512 / HDCC32512
- Support for a maximum of 2 IP cameras

Technical data - 16-channel analogue HD video recorder

Alarm generation	App push, alarm output, acoustic warning signal, OSD signal, email
Alarm inputs (NO/NC)	16
Audio	Audio input: 4-ch, RCA (2.0 V p-p, 1K Ω), 8-ch via coaxial cable, Audio output: 1-ch, RCA (Linear, 1K Ω)
Audio bit rate	64 kBit/s
Audio compression	G.711u
Battery - GRS type	CR1220 / AAA
Battery type	CR1220 / AAA
Camera inputs	16x BNC (HD-TVI, HD-CVI, AHD, Analog CVBS)
Camera outputs	1x BNC (Analog CVBS)
Compatible with ABUS Link Station	Yes
Construction type of device	Other
Control unit	Mouse, PC software, integrated web server
DC power supply	12 V
DDNS	Yes
Data backup	1 x USB 2.0, 1 x USB 3.0
Depth	315 mm
Dimensions	380 x 315 x 48 mm
Gross weight	4.74 kg
HDMI Out	Yes
Hardware Watchdog	Yes
Height	48 mm
Image sensor	Triplex
Language Manual	DE, UK, FR, NL, DK, IT
Language OSD	DE, UK, FR, NL, DK, IT
Length	315 mm
Loi Sarkozy compliant (only valid for FR)	Yes

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Max. Air humidity	90 %
Max. Operating temperature	55 °C
Max. number of video feeds	16
Min. operating temperature	-10 °C
Mobile access	Yes
Monitor outputs	1x HDMI, 1x VGA, 1x Main BNC
NTP	Yes
Net weight	2.43 kg
Network cameras	ABUS models from 2021 up to 8 megapixels
Network connection	1x RJ45 10/100 Mbps
Network protocols	TCP/IP, DHCP, DNS, DDNS, NTP, SADP, NFS, UPnP, HTTPS
Number of HDDs	2
PSTI conformity given	Yes
PSTI conformity needed	Yes
PTZ control	Coax
PTZ protocols	Pelco D, P
Power consumption	15 W
Power consumption incl. HDD	35 W
Pre/post-alarm memory	0-2 / 5-900
Product group	Recording solution
Product security update min until	2027-07-31
RS-485 interface	Yes
Recording bit rate	32 Kbit/s - 10 Kbit/s
Recording modes	8ch VCA (tripwire, intrusion detection) & 16ch motion detection with person/vehicle detection, alarm input, duration
Resolution HDMI output	1-ch, 4K (3840 x 2160), 2K (2560 x 1440/60Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz)
Resolution VGA output	1-ch 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Search modes	People search, smart search, VCA, event, date & time
Simultaneous network access	128 channels
Software	ABUS CMS Software
Storage medium	2x S-ATA HDD (max. 12 TB)
Total network throughput (input/output)	256 Mbps (128 connections)
Total video channels	18
Video channels AHD	16
Video channels HD-CVI	16
Video channels HD-TVI	16

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Technical data - 16-channel analogue HD video recorder

Video channels IP	2
Video compression	H.264 / H.264+ / H.265 / H.265+
Video motion detector included	Yes
WEEE group	09
Web server	Yes
width	380 mm