

# 16-channel analogue HD video recorder

Art.-Nr. HDCC90021



- Real-time recording and live display of all channels with a resolution of up to 3 MPx
- Use storage space twice as efficiently: Data compression with H.265
- Ultra HD HDMI connection for loss-free viewing of connected cameras on a 4-K monitor
- Ideal for retrofitting of existing systems to a higher resolution
- Long cable lengths up to a maximum of 500 m
- USB 3.0 interface for fast data export
- Permanent recording: 2x HDD up to 10TB
- Easy to operate: can be controlled via local monitor, Internet Explorer, app or ABUS CMS software

**<strong>Simple installation following the plug & play principle </strong>**

The ABUS-designed 16-Channel Analogue HD Video Recorder ensures that every recording solution is ready to use straight away – whether it be a retrofitting or a new project set-up with analogue HD technology. Video images can be provided in real-time and for recording as soon as the connection between the camera and recorder is set up using a coaxial or 2-wire connection (accessory: 2-Wire Analogue HD Transmission Set).

**<strong>Storage space is doubled thanks to data compression</strong>**

The compression of the incoming image data using H.265 technology uses storage space twice as efficiently. Up to two 10 TB hard disk drive capacity can be installed, ensuring sufficient storage capacity is made available for sustained recording and any application.

**<strong>Ultra HD HDMI and USB 3.0 </strong>**

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The Ultra HD HDMI connection makes monitoring with no loss of data possible for connected cameras. This ensures the full, high resolution of the analogue HD cameras is used. Quicker data export is also ensured with the USB 3.0 connection.

**Very easy and intuitive operation**

Various modes of operation are available with the analogue HD recorder. The video data can be evaluated using a local monitor, browser, the intuitive ABUS CMS software or via the iDVR Plus app for Android/iOS.

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## Technical Data

Alarm inputs (NO/NC)	16
Alarming	Acoustic warning, OSD signal, email
Analog video channels	16
Audio	Line In: 4 x RCA (2,0 V p-p, 1000 Ω), Audio Out: 1 x RCA (1000 Ω)
Audio bitrate	64 kbit/s
Audio compression	G.711u
Camera inputs	16 x BNC (HD-TVI, Analog CVBS)
Camera outputs	1 x BNC (Analog CVBS)
Compliant with loi Sarkozy (FR only)	Yes
Control	Mouse, PC software, integrated web server
DC voltage supply	12V
DDNS	Yes
HD-SDI video channels	0
HD-TVI video channels	16
HDMI output	Yes
Hardware watchdog	Yes
Height	48mm
IP video channels	0
Language of instructions	Deutsch, Englisch, Französisch, Niederländisch, Dänisch, Italienisch
Length	320mm
Max. humidity	90%
Max. operating temperature	55°C
Min. operating temperature	-10°C

Mobile access	Yes (iOS/Android: iDVR Plus, iDVR Plus HD)
Monitor outputs	1 x HDMI, 1 x VGA, 1 x Main BNC
Net weight	2kg
Network access	1 x RJ45 10/100/1000 Mbps
Network functions	DVR: NAS saving, IP-SAN saving/recorder software: Live view, playback, data export/web interface: Live view, playback, data export, log files, settings/apps: Live view, playback
Network functions	playback
Network protocols	TCP/IP, PPoE, DHCP, DNS, DDNS, NTP, SMTP, SNMP, NFS, iSCSI, UPnP, HTTPS
Number of HDDs	2
Number of channels	16
OSD language	Deutsch, Englisch, Französisch, Niederländisch, Dänisch, Italienisch
Operating mode	Triplex
PTZ control	RS-485, HD-TVI
Power consumption	25W
Recording bitrate	32 Kbit/s up to 10 Mbit/s
Recording modes	VCA (tripwire, intrusion detection), motion detection, alarm, motion detection and alarm, motion detection or alarm, time schedule, manual

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Resolution HDMI output	4k (3840 x 2160) / 30 Hz, 2K (25960 x 1440) / 60 Hz, 1920 x 1080 / 60 Hz, 1280 x 1024 / 60 Hz, 1280 x 720 / 60 Hz, 1024 x 768 / 60 Hz
Search modes	Smart search, VCA, event, date & time
Simultaneous network access	128 channels
Software	ABUS CMS software (Windows), iDVR Plus (iOS/Android), iDVR Plus HD (iOS/Android)
Storage	1 x USB 2.0, 1 x USB 3.0
Storage medium	2 x SATA HDD (max. 10 TB)
Tamper monitoring of video	Yes
Technology	HD-TVI
Total frame rate (PAL)	400fps

Total network throughput (input/output)	128Mbit (0 Mbit / 128Mbit)
Total video channels	16
User levels	2
Video compression	H.265
Views	1 / 4 / 6 / 8 / 9 / 16
Web server	Yes
Width	380mm