

16-channel analogue HD video recorder

Art. no. HDCC90021

Page 1 of 3



- Pentaplex support: recording and live display of all channels up to 8 MPx (ABUS IP cameras, ONVIF IP cameras, TVI, CVI, AHD, CVBS)
- Use storage space twice as efficiently: Data compression with H.265
- Ultra HD HDMI connection for loss-free viewing of connected cameras on a 4K 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

Simple installation following the plug & play principle 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). Storage space is doubled thanks to data compression 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. Ultra HD HDMI and USB 3.0 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. Pentaplex support Supports TVI (max 8 MPx), CVI (max 1080p), AHD, CVBS (PAL / NTSC) signals on all BNC inputs Support of two additional IP channels up to max. 6 MPx Compatible with ABUS IPCB42501, IPCB42551, IPCB62500, IPCB72501 and ONVIF IP cameras

16-channel analogue HD video recorder

Art. no. HDCC90021

Page 2 of 3

Technical Data:

Compliant with loi Sarkozy (FR only)	Yes	Recording modes	VCA (tripwire, intrusion detection), motion detection, alarm, motion detection and alarm, motion detection or alarm, time schedule, manual
Total network throughput (input/output)	128Mbit (0 Mbit / 128Mbit)	User levels	2
Audio compression	G.711u	Operating mode	Triplex
Audio bitrate	64 kbit/s	Width	380 mm
Recording bitrate	32 Kbit/s up to 10 Mbit/s	Storage	1 x USB 2.0, 1 x USB 3.0
HD-TVI video channels	16	DDNS	Yes
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	Total frame rate (PAL)	400 fps
Technology	AHD, CVBS, HD-CVI, HD-TVI, IP	Simultaneous network access	128 channels
Number of HDDs	2	Hardware watchdog	Yes
HDMI output	Yes	Height	48 mm
Dimensions	380 x 320 x 48 mm	Camera outputs	1 x BNC (Analog CVBS)
Alarm inputs (NO/NC)	16	Camera inputs	16 x BNC (HD-TVI, Analog CVBS)
Alarming	Acoustic warning, OSD signal, email	Length	320 mm
Views	1 / 4 / 6 / 8 / 9 / 16	Power consumption	25 W
Number of channels	16	Max. operating temperature	55 °C
Audio	Line In: 4 x RCA (2,0 V p-p, 1000 Ω), Audio Out: 1 x RCA (1000 Ω)	Max. humidity	90 %
Recording resolution @ frame rate per camera	2MPx @ 25 frames/s, 3MPx @ 18 frames/s, 8MPx @ 8 frames/s	Min. operating temperature	-10 °C
Live view resolution	VGA: 1920 x 1080 / 60 Hz, 1280 x 1024 / 60 Hz, 1280 x 720 / 60 Hz, 1024 x 768 / 60 Hz HDMI: 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	Mobile access	Yes (iOS/Android: iDVR Plus, iDVR Plus HD)
		Monitor outputs	1 x HDMI, 1 x VGA, 1 x Main BNC
		Net weight	2 kg
		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

16-channel analogue HD video recorder

Art. no. HDCC90021

Page 3 of 3

Technical Data:

Network cameras	IPCB42501, IPCB42551, IPCB62500, IPCB72501
Network protocols	TCP/IP, Ppoe, DHCP, DNS, DDNS, NTP, SMTP, SNMP, NFS, iSCSI, UPnP, HTTPS
PTZ control	RS-485, HD-TVI
Tamper monitoring of video	Yes
Software	ABUS CMS software (Windows), iDVR Plus (iOS/Android), iDVR Plus HD (iOS/Android)
DC voltage supply	12 V
Storage medium	2 x SATA HDD (max. 10 TB)
Language of instructions	Deutsch, Englisch, Französisch, Niederländisch, Dänisch, Italienisch
OSD language	Deutsch, Englisch, Französisch, Niederländisch, Dänisch, Italienisch

Control	Mouse, PC software, integrated web server
Search modes	Smart search, VCA, event, date & time
Analog video channels	16
Total video channels	16
HD-SDI video channels	0
IP video channels	0
Video compression	H.265
Web server	Yes