

4-channel Analogue HD Video Recorder

Art.-Nr. HDCC90000

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Real time control in full 1080p HD

The 4-channel analogue HD video recorder allows the recording and management of up to 4 analogue HD cameras in full HD (1080p) or 4 analogue cameras in real time. The hybrid function allows combined operation of both the latest analogue HD cameras with HD-TVI technology and conventional analogue cameras. This guarantees cost-effectiveness and return on investment, for example when converting and upgrading existing CCTV systems.

The recorder supports a SATA hard disk drive with up to 4 TB for data storage.

Increased transmission range

A great advantage of HD-TVI technology is the line lengths across large distances that can be achieved without a reduction in quality. An HD-TVI signal (720p HD or 1080p full HD) can be transmitted in real time, for example, via a conventional RG59 cable (up to 300 metres) or RG6 cable (up to 500 metres). The range extends across both conventional analogue and HD-SDI devices. Both video and control signals such as PTZ and OSD controls are transmitted via a BNC cable.

Three analysis functions support video recordings with quick evaluation.

Smart playback: an area can be selected that only displays recordings in which movement occurs.

Trip wire: a line can be drawn that only displays recordings in which the line was crossed.

Intrusion detection: an area can be drawn that only displays recordings occurring within this area.

Mobile access via app from anywhere in the world

The network connection of the recorder provides global access to the video image data, which can be called up at any time from any place using the free iDVR mobile app.

Technologies

- Real-time recording and live display of all channels in full HD resolution (1080p)
- Recorder compatible with analogue HD and analogue cameras up to 2MPx
- Max. transmission length via RG59/RG6 BNC cable from recorder to camera: 300/500 metres
- PTZ and OSD control as well as video transmission via BNC cable
- Smart search for easy evaluation of recordings on the recorder
- Additional memory possible via network
- Installation wizard for easy initial start-up
- Supports one SATA hard disk drive up to 4 TB
- Network connection for worldwide access
- Mobile access via the iDVR Plus / iDVR Plus HD app

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Technical data - 4-channel Analogue HD Video Recorder

AC voltage supply	100 - 240 V
Alarm inputs (NO/NC)	4
Alarming	Acoustic warning, OSD signal, email
Analogue video channels	4
Audio	Audio In: 4 x cinch (2.0 V p-p, 1000 Ω), Audio Out: 1 x cinch (600 Ω)
Audio bitrate	64 kbit/s
Audio compression	G.711u
Camera inputs	4 x BNC (HD-TVI, Analog CVBS)
Control	Mouse, PC software, integrated web server
DDNS	Yes
Dimensions	440 x 276 x 50 mm
Gross weight	4,5 kg
HD-SDI video channels	0
HD-TVI video channels	4
Height	50 mm
Hybrid-capable	Yes
IP protection class	20
IP video channels	0
Language of instructions	German, English, French, Dutch, Danish, Polish, Russian
Length	276 mm
Loi Sarkozy compliant (only valid for FR)	Yes
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 VGA, 1 x HDMI
Net weight	2,5 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
Network protocols	TCP/IP, PPoE, DHCP, DNS, DDNS, NTP, SMTP, SNMP, NFS, iSCSI, UPnP, HTTPS
OSD language	German, English, French, Dutch, Danish, Polish, Swedish, Russian
Operating mode	Triplex
PTZ control	RS-485, HD-TVI
PTZ protocols	ABUS-Coaxitron, PELCO-D, PELCO-P, Samsung, LG-MULTIX
Power consumption	15 W
Pre/post alarm memory	0-2 / 5-900

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Recording bitrate	32 Kbit/s to 10 Mbit/s
Recording duration at max. resolution and frame rate	149 hours/TB
Recording duration at min. resolution and frame rate	1.165 hours/TB
Recording frame rate	1/16 fps to 25/30 fps
Recording modes	VCA (max. 2 Ch. / tripwire, intrusion detection), motion detection, alarm, motion detection and alarm, motion detection or alarm, time schedule, manual
Recording resolution @ frame rate per camera (NTSC)	1920 x 1080 @ 30 fps, 1280 x 720 @ 30 fps, 640 x 480 @ 30 fps, 704 x 576 @ 30 fps, 352 x 288 @ 30 fps
Recording resolution @ frame rate per camera (PAL)	1920 x 1080 @ 25 fps, 1280 x 720 @ 25 fps, 640 x 480 @ 25 fps, 704 x 576 @ 25 fps, 352 x 288 @ 25 fps
Relay output	1 (maximum load: 12 V DC/1 A)
Resolution live view	HDMI: 1920*1080/60Hz(1080P), 1280*1024/60Hz, 1280*720/60Hz, 1024*768/60Hz - VGA: 1920*1080/60Hz(1080P), 1280*1024/60Hz, 1280*720/60Hz, 1024*768/60Hz - BNC Output: PAL: 704×576, NTSC: 704×480
Sabotage monitoring video	Yes
Simultaneous network access	128 channels
Software	ABUS CMS Software (Windows), iDVR Plus (iOS/Android), iDVR Plus HD (iOS/Android)
Storage	2 x USB 2.0
Storage medium	1 x SATA HDD (max. 10 TB), 8 x network drive
Stream 1: Recording resolution @ frame rate per camera (PAL)	1080p / 720p / VGA / 4CIF / CIF
Stream 2: Recording resolution @ frame rate per camera (PAL)	WD1 / 4CIF / CIF / QCIF / QVGA
Total frame rate (PAL)	100 fps
Total network throughput (input/output)	128Mbit (0 Mbit / 128Mbit)
Total video channels	4
User levels	2
Video compression	H.264
Views	1 / 4
Watchdog hardware	Yes
Web server	Yes
Width	440 mm