

# 8-channel Analogue HD Video Recorder

Art.-Nr. HDCC90010

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## Real time control in full 1080p HD

The 8-channel analogue HD video recorder allows the recording and management of up to 8 analogue HD cameras in full HD (1080p) or 8 analogue cameras in real time. The hybrid function allows combined operation of both analogue cameras and analogue HD cameras with the latest HD-TVI technology. This guarantees cost-effectiveness and return on investment, for example when converting and upgrading existing CCTV systems.

The recorder supports two SATA hard disk drives each 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 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 two SATA hard disk drives up to 4 TB
- Network connection for worldwide access

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- Mobile access via the iDVR Plus / iDVR Plus HD app

## Technical data - 8-channel Analogue HD Video Recorder

|   |   |
|---|---|
| AC voltage supply                         | 100 - 240 V   |
| Alarm inputs (NO/NC)                      | 8   |
| Alarming                                  | Acoustic warning, OSD signal, email   |
| Analogue video channels                   | 8   |
| Audio                                     | Audio In: 4 x cinch (2.0 V p-p, 1000 $\Omega$ ), Audio Out: 1 x cinch (600 $\Omega$ )   |
| Audio bitrate                             | 64 kbit/s   |
| Audio compression                         | G.711u  |
| Camera inputs                             | 8 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                     | 8   |
| 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  |

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|  |  |
|--|--|
| PTZ protocols  | ABUS-Coaxitron, PELCO-D, PELCO-P, Samsung, LG-MULTIX   |
| Power consumption  | 20 W   |
| Pre/post alarm memory  | 0-2 / 5-900  |
| Recording bitrate  | 32Kbit/s bis zu 10Mbit/s   |
| Recording duration at max. resolution and frame rate         | 74 hours/TB  |
| Recording duration at min. resolution and frame rate         | 582 hours/TB   |
| Recording frame rate   | 1/16 fps bis zu 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   | 4 (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  |
| 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  | 2 x USB 2.0  |
| Storage medium   | 2 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)                                       | 200 fps  |
| Total network throughput (input/output)                      | 128Mbit (0 Mbit / 128Mbit)   |
| Total video channels   | 8  |
| User levels  | 2  |
| Video compression  | H.264  |
| Views  | 1 / 4 / 6 / 8 / 9  |
| Watchdog hardware  | Yes  |

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|            |        |
|------------|--------|
| Web server | Yes    |
| Width      | 440 mm |