4-channel HD-SDI Digital Recorder

Art. no. TVHD80000

- Real-time recording at HD resolution (1080p)
- Simultaneous live display of all channels at max. resolution
- Installation wizard for simple operational setup
- Space-efficient H.264 data compression
- Video & audio recording
- Network connection for worldwide access
- Status LED indicates recorder status
- Mobile access using the iDVR app

The trend toward HD-SDI is in full swing: video images in HD 1080p resolution via coaxial cable

This recorder is the recording solution for HD-SDI surveillance cameras. Recording and playback of the image data is in 1080p resolution and in real time for every channel. HD-SDI cameras are connected using coaxial cables, making the laying of cables as easy as with a conventional analog system. The fine difference: HD 1080p provides five times more resolution than standard quality; in addition to brilliant image results, this increase in detail also offers potential for savings: 4 HD-SDI cameras cover a surveillance area for which more than 10 standard cameras would be needed.

Thanks to H.264 compression, the HD image data takes up minimal storage space and is optimized for the network stream (remote access). With up to 8 hard drives, the recorder offers a maximum storage capacity of 24 TB. Recording is started manually, according to a schedule, when motion is detected, when an alarm sensor is triggered, or through a combination of modes. Thanks to its triplex mode, live cast, playback, and data export are possible at the same time. Data can be easily saved via USB or the network. Recordings can be viewed on the LAN or worldwide over the Internet (support of dynamic IP addresses).

In spite of the wide range of functions, the recorder is easy to operate: the status light shows the recorder status at all times: recording, guard mode (schedule active, no recording), ready for operation, or error. Each button on the camera also indicates whether a camera is connected and whether the channel is recording. All you need to do is glance at the status lights – there is no need to check the status on the screen. Using the jog/shuttle controller or the search function (by event, date, time), you can quickly find any recording you would like. A mouse for operating the on-screen display is included in the scope of delivery.

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Technical Data:

Total network throughput (input/output)	160 MBit/s (0 MBit/s / 160 MBit/s)
Dimensions	450 x 90 x 441 mm
Alarm inputs (NO/NC)	4
Alarming	Acoustic warning signal, OSD signal, e-mail
Views	1 / 4
Audio	Audio In: 4 x Cinch (2.0 V p-p, 1000 Ohm), Line In: 1 x Cinch (2.0 V p-p, 1000 Ohm) - nur für Netzwerkübertragung, Audio Out: 2 x Cinch (600 Ohm)
Recording resolution @ frame rate per camera (NTSC)	352x 288 @ 30fps, 704x 576 @ 30fps, 1280 x 720 @ 30fps, 1920 x 1080 @ 30fps
Recording resolution @ frame rate per camera (PAL)	352x 288 @ 25fps, 704x 576 @ 25fps, 1280 x 720 @ 25fps, 1920 x 1080 @ 25fps
Live view resolution	HDMI: 1920*1080/60Hz(1080P),1600×1200/60Hz, 1280*1024/60Hz, 1280*720/ 60Hz 1024*768/60Hz - VGA: 1920*1080/60Hz(1080 P),1600×1200/60Hz, 1280*1024/60Hz, 1280*720/ 60Hz 1024*768/60Hz - BNC Output: PAL: 704×576, NTSC: 704×480
Recording modes	Manual, schedule, motion detection, alarm, motion detection and alarm, motion detection or alarm
Recording duration at max. resolution and frame rate	96 hours/TB

Recording duration at min. resolution and frame rate	247 hours/TB
Operating mode	Triplex
Width	450 mm
Storage	3 x USB 2.0
DDNS	Yes
Total frame rate (PAL)	100
Simultaneous network access	64
Height	90 mm
Hybrid-enabled	No
Camera inputs	4 x BNC (HD-SDI)
Analog compression levels	6
Length	441 mm
Power consumption	<55 (without HDD) W
Max. operating temperature	55 °C
Min. operating temperature	-10 °C
Monitor outputs	1 x VGA, 1 x Main BNC, 1 x HDMI
Net weight	8 kg
Network access	2 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings
NTP	Yes
PTZ protocols	PELCO-D, PELCO-P, Samsung, LG-MULTIX
PTZ control	RS-485
Relay output	2 (Loading capacity: 12VDC/1 A)
Software	ABUS CMS software
AC voltage supply	100 – 240 V
Storage medium	8 x SATA HDD; 1 x eSATA HDD port
OSD language	German, English, French, Dutch, Danish
Control	Mouse, remote control (not included)
Search modes	By event, date & time
Analog video channels	0

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Technical Data:

Total video channels	4
HD-SDI video channels	4
IP video channels	0

Video compression	H.264
Pre-alarm/post-alarm memory	0~30 sec. / 5 - 900 sec. s
Certifications	CE

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