16-channel Analogue HD Video Recorder

- Real-time recording and live display of all channels in full HD resolution (1080p)
- Recorder compatible with analogue HD and analogue cameras
- 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 four SATA hard disk drives up to 4 TB
- Network connection for worldwide access
- Mobile access via the iDVR Plus / iDVR Plus HD app

Real time control in full 1080p HD
The 16-channel analogue HD video recorder allows the recording and management of up to 16 analogue HD cameras in full HD (1080p) or 16 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 four 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.

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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.

Technical Data:

Compliant with loi Sarkozy (FR only)	Yes
Total network throughput (input/output)	128Mbit (0 Mbit / 128Mbit)
Audio compression	G.711u
Audio bitrate	64 kbit/s
Recording bitrate	32Kbit/s bis zu 10Mbit/s
Recording frame rate	1/16 fps bis zu 25/30 fps
HD-TVI video channels	16
Dimensions	470 x 95 x 450 mm
Alarm inputs (NO/NC)	16
Alarming	Acoustic warning, OSD signal, email
Views	1 / 4 / 6 / 8 / 9 / 16
Audio	Audio In: 4 x cinch (2.0 V p-p, 1000 Ω), Audio Out: 1 x cinch (600 Ω)
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
Live view resolution	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

Recording modes	VCA (tripwire, intrusion detection), motion detection, alarm, motion detection and alarm, motion detection or alarm, time schedule, manual
Recording duration at max. resolution and frame rate	37 hours/TB
Recording duration at min. resolution and frame rate	291 hours/TB
User levels	2
Operating mode	Triplex
Width	470 mm
Gross weight	9.6 kg
Storage	3 x USB 2.0, 1 x eSATA
DDNS	Yes
Total frame rate (PAL)	400
Simultaneous network access	128 channels
Hardware watchdog	Yes
Height	95 mm
Hybrid-enabled	Yes
Camera outputs	1 x BNC (Analog CVBS)
Camera inputs	16 x BNC (HD-TVI, Analog CVBS)
Length	450 mm
Power consumption	< 55 W
Max. operating temperature	55 °C
Max. humidity	90 %
Min. operating temperature	-10 °C
Mobile access	Yes (iOS/Android: iDVR Plus, iDVR Plus HD)
Monitor outputs	1 x VGA, 1 x HDMI, 1 x Main BNC
Net weight	7.2 kg
Network access	1 x RJ45 10/100/1000 Mbps

Technical Data:

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
PTZ protocols	ABUS-Coaxitron, PELCO-D, PELCO-P, Samsung, LG-MULTIX
PTZ control	RS-485, HD-TVI
Relay output	4 (maximum load: 12 V DC/1 A)
Tamper monitoring of video	Yes
IP protection class	20
AC voltage supply	100 - 240 V
Storage medium	4 x SATA HDD (max. 4 TB), 1 x eSATA (max. 4 TB), 8 x network drive
Language of instructions	German, English, French, Dutch, Danish, Polish, Russian
OSD language	German, English, French, Dutch, Danish, Polish, Swedish, Russian
Control	Mouse, IR remote control, control panel housing, PC software, integrated web server
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
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.264
Pre-alarm/post-alarm memory	0~30 sec. / 5−900 sec. s
Web server	Yes
Certifications	CE, RoHS, REACH, C-Tick