

# Analogue HD Monitoring Set: 8-Channel Video Recorder + 4 Outdoor Dome Cameras

Art. no. TVVR33418

Page 1 of 5



- Complete set with 8-channel recorder, 4 outdoor dome cameras, 1 TB hard disk drive, 5 power supply units and accessories
- Incl. 1 TB hard disk drive for approx. 2 weeks of continuous recording
- Simple and intuitive operation using a mouse
- Live display and recording in real-time and in HD resolution (720p)
- Recording via motion detection, following a time schedule or continuously
- Automatic day/night switching for analogue HD 720p outdoor dome cameras
- Recorder compatible with analogue HD and analogue cameras
- Simple connection of cameras using a standard coaxial cable (BNC connector)
- Full HD Ready (1080p): recording and playback at 12 frames per second
- Ideal for upgrading old analogue systems to HD or full HD resolution

## Everything in one package

This analogue HD package contains everything you need for analogue wired video surveillance with recording in HD resolution. The 8-channel recorder including a 1 TB hard disk drive can record approx. 2 weeks of 24-hour video data from the 4 supplied outdoor dome cameras. The system can be extended to max. 8 cameras if necessary.

## Connect and record

The set is directly preconfigured for use: mount the cameras, connect and then select the desired recording mode (when motion is detected, according to a schedule or continuous recording). The image data can be viewed live and in real time using an additionally connected monitor. The set is operated intuitively using the supplied USB mouse.

## Secure 24-hour surveillance

Thanks to automatic day/night switching, the cameras are suitable for 24-hour surveillance in outdoor areas. The 24 LEDs have a range of 10 m for increased security and are suitable for operation in unprotected outdoor areas due to their IP66 protection class. The design of the dome cameras is especially good for protecting them against

# Analogue HD Monitoring Set: 8-Channel Video Recorder + 4 Outdoor Dome Cameras

Art. no. TVVR33418

Page 2 of 5

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vandalism.

## Full HD-ready

The supplied recorder is Full HD-ready and can record video data in 1080p resolution at 12 frames per second. The set is therefore ideal for upgrading existing analogue systems to HD or Full HD. The set can also be extended by 4 additional cameras, e.g. with existing analogue cameras for use in the same system or extra analogue HD cameras.

The effective IR range will depend on the installation location. If there are surfaces that absorb light or no objects that reflect IR light in the field of view, the IR range will be reduced and/or the video image will be too dark. Reflective objects in the immediate vicinity of the camera (e.g. roof gutter or wall) may also result in the reflection of IR light, which can disturb the image.

With the HDCC31500 & HDCC32500 models, it is important to ensure that the IR LEDs are not covered by the camera cap, as this could cause reflections.

# Analogue HD Monitoring Set: 8-Channel Video Recorder + 4 Outdoor Dome Cameras

Art. no. TVVR33418

Page 3 of 5

## 8-Channel Analogue HD Video Recorder

Total network throughput (input/output)	72 Mbits
HD-TVI video channels	8
Total frame rate	250
Dimensions	285 x 50 x 210 (W x H x D) mm
Alarming	Acoustic warning, OSD signal, email, CMS
Views	1 / 4 / 6 / 8 / 9
Recording resolution @ frame rate per camera	1920 x 1080 @ 12,5 fps, 1280 x 720 @ 25 fps, 640 x 480 @ 25 fps, 704 x 576 @ 25 fps, 352 x 288 @ 25 fps
Live view resolution	1920*1080/60Hz, 1280*1024/60Hz, 1280*720/60Hz, 1024*768/60Hz TVL
Recording modes	Manual, time schedule, motion detection, alarm
User levels	2
Operating mode	triplex
Width	285 mm
Storage	2 x USB 2.0
DDNS	Yes
Simultaneous network access	128 camera connections
Height	50 mm
Hybrid-enabled	Yes
Camera inputs	8 x analogue HD/analogue
Compression levels	6
Length	210 mm
Power consumption	15 W
Max. operating temperature	50 °C
Min. operating temperature	-10 °C
Monitor outputs	1 x HDMI, 1 x VGA

Net weight	0,95 kg
Network access	1 x RJ45 10/100 Mbps
Network functions	Live view, playback, data export
NTP	Yes
DC voltage supply	12 V
Storage medium	1 x 2,5" SATA HDD
Language of instructions	English, German, French, Dutch, Danish, Italian, Polish, Spanish, Swedish
OSD language	English, German, French, Dutch, Danish, Italian, Polish, Spanish, Swedish
Packaging language	English, German, French, Dutch, Danish, Italian, Polish, Spanish, Swedish
Control	USB mouse
Power consumption	1,25 mA
Search modes	By event, date and time, S.M.A.R.T.
Analog video channels	8
Total video channels	10
IP video channels	2
Video compression	H.264
Pre-alarm/post-alarm memory	0-30 / 5-900
Web server	Yes
Certifications	CE, REACH, Law Sargozy, C-Tick

# Analogue HD Monitoring Set: 8-Channel Video Recorder + 4 Outdoor Dome Cameras

Art. no. TVVR33418

Page 4 of 5

## Analogue HD 720p Outdoor Dome Camera

Dimensions	89,6 x 59,1 mm
Connections	Video signal (BNC), power supply (DC)
Resolution modes	720 pixel
Image sensor	1/3 inch progressive scan CMOS
Pixels (effective)	1280 (H) x 720 (V) pixel
Width	89,6 mm
Focal length	3,6 mm
Diameter	89,6 mm
Electronic shutter	1/25 ~ 1/50.000
Backlight compensation	Yes
Housing material	metal
Height	59,1 mm
Horizontal angle of view	76,88 °
IR LEDs	24
IR range (up to)	10 m
Camera outputs	1 x BNC (HD-TVI)
Camera type	Analogue HD 720p Outdoor Dome Camera
Power consumption	3,5 W
Max. resolution @ frame rate	1280 x 720 @ 25 fps (PAL) / 1280 x 720 @ 30 fps (NTSC)
Max. operating temperature	50 °C
<b>30 m Preassembled Video Combination Cable</b>	
Connection type	BNC (male) – BNC (female)
Application purpose	indoors
Outer diameter	6 mm
Damping	0,53 dB
Diameter	6 mm
Housing material	PVC
Insulation	PE

Max. humidity	90 %
Min. operating temperature	-20 °C
Minimum illumination (color)	0,01 lx
Minimum illumination (IR)	0 lx
Net weight	0,4 kg
Lens	3.6 mm, fixed lens mm
Noise reduction	> 52 dB
IP protection class	66
DC voltage supply	12 V
Language of instructions	English, German, French, Dutch, Danish, Italian, Polish, Spanish, Swedish
Packaging language	English, German, French, Dutch, Danish, Italian, Polish, Spanish, Swedish
Power consumption	300 mA
Day/night switching	Electromechanical IR cut filter
Video system	HD-TVI
Certifications	CE, C-Tick

Insulation resistance	5.000.000.000 Ω
Cable type	Combined video cable
Cable length	30 m
Max. operating temperature	60 °C
Min. operating temperature	-10 °C
DC voltage supply	12 V

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Art. no. TVVR33418

Page 5 of 5

## 2,5" Internal Hard Disk Drive with 1 TB Capacity

Dimensions	70 x 10 x 100 mm
Connections	S-ATA
Width	70 mm
Height	10 mm
Capacity	1.000 GB

Length	100 mm
Power consumption	1,4 W
Max. operating temperature	60 °C
Min. operating temperature	0 °C
Net weight	12 kg