

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

Page 1 of 5



- Complete set with 8-channel recorder, 4 outdoor 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 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 in HD resolution. The 8-channel recorder including a 1TB hard disk drive can record approx. 2weeks of 24-hour video data from the 4 supplied outdoor cameras. The system can be extended to max. 8cameras 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.

#### 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 10m for increased security and are suitable for operation in unprotected outdoor areas due to their IP66 protection class.



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

Page 2 of 5

#### 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 4additional 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.



# **Analogue HD Monitoring Set: 8-Channel Video Recorder** + 4 Outdoor Cameras Art. no. TVVR33408

Page 3 of 5

8-Channel Analogue HD Video Recorder

Total network throughput (input/output)  HD-TVI video channels  Total frame rate  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  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*720/60Hz, 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  Height  50 mm  Hybrid-enabled  Yes  Camera inputs  6 Length  210 mm  Power consumption  Max. operating  50 °C  temperature  Min. operating  1 x HDMI, 1 x VGA	8-Channel Analogue HD VI	aeo kecoraer
HD-TVI video channels  Total frame rate  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 @ 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*720/60Hz, 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  Height 50 mm  Hybrid-enabled Yes  Camera inputs 8 x analogue HD/analogue  Compression levels 6 Length 210 mm  Power consumption  Max. operating 50 °C temperature  Min. operating -10 °C	Total network throughput	72 Mbits
Total frame rate  Dimensions  285 x 50 x 210 (W x H x D) mm  Acoustic warning, OSD signal, email, CMS  Views  1 / 4 / 6 / 8 / 9  Recording resolution @ 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*720/60Hz, 1280*720/60Hz, 1024*768/60Hz, 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  Height  50 mm  Hybrid-enabled  Yes  Camera inputs  8 x analogue HD/analogue  Compression levels  6  Length  210 mm  Power consumption  Max. operating  50 °C  temperature  Min. operating  -10 °C	(input/output)	
Dimensions  285 x 50 x 210 (W x H x D) mm  Acoustic warning, OSD signal, email, CMS  Views  1 / 4 / 6 / 8 / 9  Recording resolution @ 1920 x 1080 @ 12,5 fps, frame rate per camera	HD-TVI video channels	8
Alarming Acoustic warning, OSD signal, email, CMS  Views 1 / 4 / 6 / 8 / 9  Recording resolution @ 1920 x 1080 @ 12,5 fps, frame rate per camera 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*720/60Hz, 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 128 camera connections access  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 50 °C  temperature  Min. operating -10 °C  temperature	Total frame rate	250
Alarming Signal, email, CMS  Views 1 / 4 / 6 / 8 / 9  Recording resolution @ 1920 x 1080 @ 12,5 fps, frame rate per camera 25 fps, 704 x 576 @ 25 fps, 352 x 288 @ 25 fps  Live view resolution 1920*1080/60Hz, 1280*720/60Hz, 1024*768/60Hz, 1024*768/60Hz, 1024*768/60Hz, 1024*768/60Hz, 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  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 50 °C  temperature  Min. operating -10 °C  temperature	Dimensions	285 x 50 x 210 (W x H x D)
signal, email, CMS  Views 1 / 4 / 6 / 8 / 9  Recording resolution @ 1920 x 1080 @ 12,5 fps, frame rate per camera 280 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  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 50 °C  temperature  Min. operating -10 °C  temperature		mm
Views 1 / 4 / 6 / 8 / 9  Recording resolution @ 1920 x 1080 @ 12,5 fps, frame rate per camera 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*7024/60Hz, 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  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 50 °C  temperature  Min. operating -10 °C  temperature	Alarming	Acoustic warning, OSD
Recording resolution @ 1920 x 1080 @ 12,5 fps, frame rate per camera		signal, email, CMS
frame rate per camera  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*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  Height Hybrid-enabled Yes  Camera inputs 8 x analogue HD/analogue  Compression levels 6 Length Power consumption 15 W  Max. operating 50 °C  temperature  Min. operating temperature  Min. operating temperature	Views	1/4/6/8/9
480 @ 25 fps, 704 x 576 @ 25 fps, 352 x 288 @ 25 fps  Live view resolution	Recording resolution @	1920 x 1080 @ 12,5 fps,
Live view resolution  1920*1080/60Hz, 1280*720/60Hz, 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  Simultaneous network access  Height 50 mm  Hybrid-enabled Camera inputs Compression levels Length Power consumption  Max. operating functions  25 fps, 352 x 288 @ 25 fps  1920*1080/60Hz, 1280*720/60Hz, 128 remeaschedule, motion detection, alarm  2 x USB 2.0  DDNS  Simultaneous network 128 camera connections 8 x analogue HD/analogue 150 mm  Power consumption 15 W  Max. operating 50 °C temperature  Min. operating temperature	frame rate per camera	1280 x 720 @ 25 fps, 640 x
Live view resolution  1920*1080/60Hz, 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 Height 50 mm  Hybrid-enabled Yes  Camera inputs 6 Length 210 mm  Power consumption 15 W  Max. operating 6 Lemperature  Min. operating -10 °C  temperature  -10 °C		480 @ 25 fps, 704 x 576 @
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  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 50 °C  temperature  Min. operating -10 °C		25 fps, 352 x 288 @ 25 fps
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 128 camera connections access  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 50 °C  temperature  Min. operating -10 °C	Live view resolution	1920*1080/60Hz,
Recording modes  Manual, time schedule, motion detection, alarm  User levels  Operating mode  Width  Storage  DDNS  Simultaneous network access  Height  Hybrid-enabled  Camera inputs  Compression levels  Length  Power consumption  Max. operating  Manual, time schedule, motion detection, alarm  2 x USB 2.0  DDNS  Yes  128 camera connections  8 x analogue HD/analogue  6 Length  210 mm  Power consumption  15 W  Max. operating temperature  Min. operating  -10 °C  temperature		1280*1024/60Hz,
Recording modes  Manual, time schedule, motion detection, alarm  User levels  2 Operating mode  Viplex  Width  Storage  DDNS  Yes  Simultaneous network  access  Height  Hybrid-enabled  Camera inputs  Compression levels  Length  Power consumption  Max. operating  temperature  Min. operating  12 Manual, time schedule, motion detection, alarm  2  Lengtx  Max. operating  12  Substitute Schedule, motion detection, alarm  2  Lengtx  Substitute  Alary  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule, motion detection, alarm  2  Lengtx  Substitute  Annual, time schedule,  alarma  Lengtx  Annual consideration  Annu		1280*720/60Hz,
motion detection, alarm User levels  Operating mode triplex Width 285 mm Storage 2 x USB 2.0  DDNS Yes Simultaneous network access Height 50 mm Hybrid-enabled Yes Camera inputs 8 x analogue HD/analogue Compression levels Length Power consumption 15 W Max. operating temperature Min. operating -10 °C temperature		1024*768/60Hz TVL
User levels  Operating mode  triplex  Width  Storage  2 x USB 2.0  DDNS  Yes  Simultaneous network access  Height  50 mm  Hybrid-enabled  Camera inputs  Compression levels  Length  Power consumption  Max. operating temperature  Min. operating temperature  2 x USB 2.0  Yes  128 camera connections  8 x analogue HD/analogue  6 210 mm  50 °C  15 W  Max. operating temperature  -10 °C	Recording modes	Manual, time schedule,
Operating mode triplex Width 285 mm Storage 2 x USB 2.0 DDNS Yes Simultaneous network 128 camera connections access 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 50 °C temperature Min. operating -10 °C		motion detection, alarm
Width 285 mm  Storage 2 x USB 2.0  DDNS Yes  Simultaneous network access 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 50 °C  temperature  Min. operating -10 °C  temperature	User levels	2
Storage 2 x USB 2.0  DDNS Yes  Simultaneous network 128 camera connections  access  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 50 °C  temperature  Min. operating -10 °C  temperature	Operating mode	triplex
DDNS  Simultaneous network access  Height  Hybrid-enabled  Camera inputs  Compression levels  Length  Power consumption  Max. operating temperature  Min. operating temperature  Yes  8 x analogue HD/analogue 6  Longth  210 mm  50 °C  Tongth  15 W  Tongth	Width	285 mm
Simultaneous network access  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 50 °C  temperature  Min. operating -10 °C  temperature	Storage	2 x USB 2.0
access 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 50 °C temperature Min. operating -10 °C temperature	DDNS	Yes
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 50 °C  temperature  Min. operating -10 °C  temperature	Simultaneous network	128 camera connections
Hybrid-enabled  Camera inputs  8 x analogue HD/analogue  Compression levels  6  Length  Power consumption  Max. operating temperature  Min. operating temperature  Yes  8 x analogue HD/analogue  6  210 mm  50 °C  15 W  70 °C	access	
Camera inputs  8 x analogue HD/analogue  Compression levels  6  Length  Power consumption  Max. operating temperature  Min. operating temperature  -10 °C	Height	50 mm
Compression levels  Length  Power consumption  Max. operating temperature  Min. operating temperature  Min. operature	Hybrid-enabled	Yes
Length 210 mm  Power consumption 15 W  Max. operating 50 °C temperature  Min. operating -10 °C temperature	Camera inputs	8 x analogue HD/analogue
Power consumption 15 W  Max. operating 50 °C temperature  Min. operating -10 °C temperature	Compression levels	6
Max. operating 50 °C temperature Min. operating -10 °C temperature	Length	210 mm
temperature  Min. operating -10 °C temperature	Power consumption	15 W
Min. operating -10 °C temperature	Max. operating	50 °C
temperature	temperature	
•	Min. operating	-10 °C
Monitor outputs 1 x HDMI, 1 x VGA	temperature	
	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	0-30 / 5-900
memory	
Web server	Yes
Certifications	CE, REACH, Law Sargozy,
	C-Tick



# **Analogue HD Monitoring Set: 8-Channel Video Recorder** + 4 Outdoor Cameras Art. no. TVVR33408

Page 4 of 5

**Analogue HD 720p Outdoor Camera** 

Allalogue IID 120p outuoo	Calliela	
Dimensions	70 x 149.5 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	70 mm	
Focal length	3.6 mm	
Diameter	70 mm	
Electronic shutter	1/25 ~ 1/50.000	
Backlight compensation	Yes	
Housing material	metal	
Height	149,5 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	
	Camera	
Power consumption	3,5 W	
Max. resolution @ frame	1280 x 720p @ 25 fps (PAL)	
rate	/ 1280 x 720p @ 30 fps	
	(NTSC)	
2,5% Internal Hard Disk Drive with 1 TB Capacity		
<u>ғытреғычиғе</u>	70 x 10 x 100 mm	
Connections	S-ATA	
Width	70 mm	
Height	10 mm	
Capacity	1.000 GB	

Max. humidity	90 %
Min. operating	-20 °C
temperature	
Minimum illumination	0,01 lx
(color)	
Minimum illumination (IR)	0 lx
Net weight	0,36 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

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



# **Analogue HD Monitoring Set: 8-Channel Video Recorder** + 4 Outdoor Cameras Art. no. TVVR33408

Page 5 of 5

#### 30 m Preassembled Video Combination Cable

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
Insulation resistance	5.000.000.000 0

Cable type	Combined video cable
Cable length	30 m
Length	30.000 mm
Max. operating	60 °C
temperature	
Min. operating	-10 °C
temperature	
DC voltage supply	12 V