



TVR-16 Series

HD-TVI Hybrid recorder



Why the TVR-16?

The TVR-16 recorder series offers a full-featured, flexible hybrid recording solution that is ideal for (gradually) migrating an old analogue video system to a modern high-resolution video system.

The TVR-16 is a cost-effective recorder capable of recording up to 16 cameras. As a true hybrid recorder, the TVR-16 can be used with analogue, HDTV and IP cameras. The recorder also supports HD-CVI (up to 4 MP) and HD-AHD (up to 5 MP) cameras.

This hybrid recorder is uniquely qualified to upgrade existing analogue installations, offering a competitive, feature-rich and practical solution for the market of HD analogue, standard analogue and hybrid recorders.

Open technology with powerful encoding

Using the open HD-TVI technology, TVR-16 can connect to any HDTV camera up to 8 MP (4K) over existing coax cable.

As well as HD-TVI, TVR-16 also connects standard analogue cameras and allows you to reuse existing analogue cameras that do not yet need to be replaced/upgraded.

Finally, TVR-16 is capable of connecting all of its channels on IP cameras (up to 4K (8 MP)), making this is a true HD Hybrid series. The TVR-16 can use H.264 or H.265 encoding for analogue, HD-TVI and IP cameras.

HD-CVI and HD-AHD cameras are supported in H.264 encoding

Applications

The TVR-16 is suited for upgrading small sized analogue video systems in (commercial) applications (residential, small offices, small shops) where high quality video is important without expensive cable costs.

Details

- Linux embedded Plug and Play configuration
- Supports standard analogue, HD-TVI, HD-AHD, HD-CVI and IP technology
- Up to 8 analogue cameras or up to 8/16 analogue cameras or upto 16 IP cameras (when disabling all analogue channels)
- Up to 8 MP (4K) HD-TVI and IP camera support
- Support for ONVIF Profile S IP cameras
- Over-the-coax control for TruVision fixed/PTZ HD-TVI cameras
- Use existing coax cabling for HD-TVI, HD-AHD and HD-CVI cameras
- Real time Full HD recording
- Supports dual stream recording on all channels
- Up to 4 TB internal storage
- Reverse video playback
- USB video export
- Start-up wizard for quick and easy installation
- HDMI, VGA and BNC video (event only) outputs
- V-stream support
- Front panel controls
- Operations through OSD/browser/software
- TruVision Navigator license-free client/host or standalone application
- TVRmobile app for iOS and Android

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Technical specifications

8 CHANNEL		16 CHANNEL	
General			
Operating system	Embedded Linux		
Rack mountable	Yes		
Rack stacking size	1 U		
Video/audio input			
Camera channels	8	16	
Analogue camera channels	8	16	
IP camera channels	8 (with all analogue channels disabled)	16 (with all analogue channels disabled)	
Max. bandwidth per channel	Analogue: Up to 8 Mbps (main stream)/Up to 3 Mbps (sub stream) IP: follow capacity of IP camera but will not exceed 16 Mbps		
Camera bandwidth	128 Mbps (combined in/out)		
Audio compression	G.711		
Max. analogue audio In	4-ch, RCA (2.0 Vp-p, 1 kOhm)		
Supported video compression standards	H.264, H.265		
Supported video streaming standards	Onvif		
Local viewing			
HDMI output	1		
HDMI version	1.4		
VGA output	1		
BNC output	1		
Max. local output resolution	Full HD 1080p		
Synchronous playback OSD (channels)	Up to 8 channels		
Reverse playback OSD (channels)	Up to 1 channel		
Remote viewing			
Total available viewing bandwidth	128 Mbps (combined in/out)		
Max. live viewing streams	128		
Max. simultaneous playback web browser	Up to 8 channels		
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari		
Storage			
Storage capacity	128 Mbps (combined in/out)		
SATA interfaces	128		
Maximum recording resolution	Up to 8 channels		
Recording modes	Google Chrome, Internet Explorer, Mozilla Firefox, Safari		

8 CHANNEL		16 CHANNEL	
Networking			
Network interface cards (NIC)	1		
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
DNS support	DDNS, ezDDNS, No-IP		
HTTPS support	Yes		
External interfaces			
USB interface back	1		
USB interface front	1		
Serial interface	RS-232, RS-485		
Alarm inputs	8	16	
Alarm outputs	4		
Max. analogue audio outputs	1		
Electrical			
Power supply value	12 VDC (external PSU included)		
Power consumption without HDD (W)	Less than 20 W		
Physical			
Physical dimensions	380 x 320 x 48 mm (W x D x H)		
Colour	Black		
Environmental			
Operating temperature	-10 to +55°C (14°F to 131°F)		
Relative humidity	10 to 90%		
Standards & regulation			
Compliance	CE, REACH, RoHS, UL, RCM		
Ordering Information			
TVR-1608-2T	TruVision DVR 16, Hybrid, 8 channel, 2 TB, 8 channel, 2 TB		
TVR-1608-4T	TruVision DVR 16, Hybrid, 8 channel, 4 TB		
TVR-1616-4T	TruVision DVR 16, Hybrid, 16 channel, 4 TB		
TVR-1616-6T	TruVision DVR 16, Hybrid, 16 channel, 6 TB		



Specifications subject to change without notice.

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