TVR-1716-16T

TruVision™ DVR 17, HD-TVI Hybrid 16 channel recorder, 16 TB

Why the TVR 17?

The TVR17 series is a full-featured and flexible hybrid recording solution that is ideal for gradually migrating from analog to modern high-resolution video systems. The TVR-1716 is a cost-effective recorder that can record up to 16 cameras.

As a true hybrid recorder, the TVR17 can be used with analog, HD-TVI, IP, HD-CVI (up to 4 MP), and HD-AHD (up to 5 MP) cameras. This hybrid recorder is uniquely qualified to upgrade existing analog installations, offering a competitive, feature-rich, and practical solution.



Easy to use

The newly added integration with the UltraSync cloud allows the TVR17 recorder to be accessed remotely via the TVRMobile app, offering access to all UltraSync features and upcoming add-ons. Thanks to its built-in UltraSync connectivity, the TVR17 can be easily connected to the internet without the need for port forwarding or VPN. Remotely viewing video on mobile applications has never been easier. With advanced people and vehicle recognition on analog channels and on supported TruVision IP cameras, the TVR17 series can quickly and easily find relevant events.

Flexible

The TVR-1716 utilizes open HD-TVI technology to connect to any HD-TVI camera up to 8 megapixels (MP) over existing coaxial cables. In addition to HD-TVI, the TVR17 also supports connection to standard analog cameras, allowing you to reuse existing analog cameras that do not yet need to be replaced or upgraded. Furthermore, the TVR17 is able to connect to all of its channels on IP cameras up to 4K (8 MP), making it a true HD hybrid series. It also employs H.265 encoding for both analog and IP cameras

Applications

The TVR17 is suited for upgrading small sized analog 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 analog, HD-TVI, HD-AHD, HD-CVI and IP technology
- Up to 16 analog cameras or up to 16 IP cameras (when disabling all analog channels)
- Up to 8 MP (4K) HD-TVI and IP camera support
- 16 TB internal storage
- Real time Full HD recording
- Dual stream recording on all channels
- HDMI, VGA and BNC video (event only) outputs
- UltraSync support for remote access without port forwarding
- Dedicated people/vehicle detection for analog/HD-TVI cameras (max. 4) and dedicated IP cameras
- Third party IP camera support via ONVIF Profile S
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- TVK-600 IP keypad support
- Over-the-coax control for TruVision fixed/PTZ HD-TVI cameras
- Use existing coax cabling for HD-TVI, HD-AHD and HD-CVI cameras
- Full browser-, OSD- and software-based access for live, recorded video & configuration
- TVRMobile app for iOS and Android for remote viewing
- TruVision Navigator client/host or standalone application support
- External integration through SDK

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Technical specifications

General

Technology	Analog, HD-TVI analog, IP
Operating system	Embedded Linux
Rack mountable	Yes
Rack stacking size	1 U

Video/audio input

Camera channels	16
Analog camera channels	16
IP camera channels	16 (with all analog channels disabled)
Max. bandwidth per channel	Analog: 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. analog audio In	1-ch, RCA (2.0 Vp-p, 1 kOhm)
Supported video compression standards	H.264, H.265, 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	4K
Synchronous playback OSD (channels)	Up to 16 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
Software compatibility	TruVision Navigator, TVRmobile
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Storage

Storage capacity	16 TB
SATA interfaces	2
Max. capacity per SATA HDD (TB)	8 TB
Maximum recording resolution	4 K / 8 MP (HD-TVI), 4 K / 8 MP (IP), 4 MP (HD-CVI), 5 MP (HD-AHD)
Recording modes	Continuous, Event, Manual
Dual stream recording (channels)	All channels (cannot be disabled)
External storage	NAS

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-485
Alarm inputs	16
Alarm outputs	4
Max. analog audio outputs	1

Electrical

Power supply value	12 VDC (external PSU included)
Power consumption without HDD (W)	Less than <19 W

Physical

Physical dimensions	385 x 315 x 52 mm (W x D x H)
Net weight	1.78 kg
Colour	Black

Environmental

Operating temperature	-10 to +55ºC 14 to 131ºF
Relative humidity	10 to 90%

Regulatory

Compliancy	CE, REACH, RoHS, UKCA, UL, WEEE

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