TVR-1616-2T

TruVision™ DVR 16, HD-TVI Hybrid 16 channel recorder, 2TB

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 analog video system to a modern high-resolution video system.
The TVR-1616 is a cost-effective recorder capable of recording up to 16 cameras.
As a true hybrid recorder, the TVR 16 can be used with analog, HD-TVI 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 analog installations, offering a competitive, feature-rich and practical solution for the market of HD analog, standard analog and hybrid recorders.

Open technology with powerful encoding

Using the open HD-TVI technology, TVR 1616 can connect to any HD-TVI camera up to 8 MP (4K) over existing coax cable.
As well as HD-TVI, TVR 16 also connects standard analog cameras and allows you to reuse existing analog 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 analog, HD-TVI and IP cameras.
HD-CVI and HD-AHD cameras are supported in H.264 encoding.

Unique intrusion integration

TVR 16 offers free integration with IP intrusion panels (Aritech) for video verification of (alarm) events. Alarm and arming/disarming events are sent from the intrusion panel to the recorder and can trigger actions in the recorder (recording, output control, PTZ control, email) and/or send notifications to TVRMobile or TruVision Navigator. The communication between recorder and panel is also monitored.

Applications

The TVR 16 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
- 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
- Up to 6 TB internal storage
- Supports dual stream recording on all channels
- 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
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- TruVision Navigator license-free client/host or standalone application
- TVRmobile app for iOS and Android
- IP Keypad support

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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	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	2 TB
SATA interfaces	2
Maximum recording resolution	4 K / 8 MP (HD-TVI), 4 K / 8 MP (IP), 4 MP (HD-CVI), 5 MP (HD-AHD)
Recording modes	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Dual stream recording (channels)	All channels

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	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 25 W

Physical

Physical dimensions	380 x 320 x 48 mm (W x D x H)
Colour	Black

Environmental

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

Regulatory

Compliancy	CE, REACH, RoHS, UL

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