TVR-4516HD-4T

TruVision DVR 45HD, HD Hybrid, 16 channel, 100%IP, 4TB

Overview

The TruVision DVR 45HD (TVR 45HD) is a full-featured HD Hybrid video recorder capable of recording up to 8 or 16 camera inputs.
This HD 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.

A true HD hybrid

Using the open HD-TVI technology, TVR 45HD can connect any HD-TVI camera, offering resolutions up to 5 MPX over existing coax cabling.
Next to HD-TVI, TVR 45HD also connects standard analog cameras, allowing you to reuse existing analog cameras which do not yet need to be replaced/upgraded.
Finally, TVR 45HD is capable of connecting all of its channels on IP, making this a true HD Hybrid series.
The IP cameras can have a resolution up to 4 MPX and can be using H.264 or H.265 compression.

HD-TVI technology

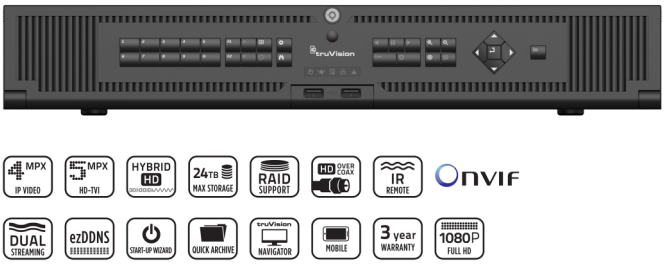
HD-TVI allows you to run an analog signal (up to 5 MPX) over existing standard coax cabling, following the same specifications as for standard analog systems today. Additionally, TVR 45HD allows you to access the local on-screen-display menu of TruVision HD-TVI cameras through over-the-coax control. This saves time in setup and facilitates maintenance afterwards. Also TruVision HD-TVI PTZ cameras can be controlled over the coax.

Intrusion integration

TVR 45HD has an alarm receiver module embedded inside. The alarm message receiver can connect to up to three Interlogix IP intrusion panels that report in SIA or XSIA format. Alarm messages, disarming and arming messages can be send from the alarm panel to the recorder, which then can take actions (trigger alarm recording, send a PTZ to a preset, run a shadow tour or preset tour, trigger an alarm output, send an email, send a notification message to TVRmobile or to TruVision Navigator (as of version 7.0)).
Also the heartbeat message between panel and recorder is monitored. This solution offers straightforward alarm verification and is free of charge.

Advanced functionality

TVR 45HD represents a full-featured HD-TVI recorder that is designed to reduce setup and installation time while also offering advanced video review and analysis features. This functionality includes: video content analysis (VCA) on all analog channels, support for IP camera VCA, NAS & eSATA support for additional storage, front panel accessible hard drives for service and expansion, and many more.



Details

- Linux embedded Plug and Play configuration
- Supports standard analog, HD-TVI and IP cameras
- Up to 8/16 cameras (HD-TVI, IP or analog)
- Up to 8/16 IP cameras (when disabling all analog channels)
- Up to 5 MPX HD-TVI camera support (on max. 1/4th of the channels)
- Up to 4 MPX IP camera support
- Support for ONVIF Profile S IP cameras
- Over-the-coax control for setup or PTZ control of TruVision HD-TVI cameras
- Use existing coax cabling for HD-TVI cameras
- New icon based front panel
- Real-time Full HD recording
- Up to 24 TB of internal storage
- Front side accessible hard drives
- Hard drive grouping and RAID support (0,1, 5, 6, 10)
- Expandable storage with NAS
- Reverse video playback
- USB video export
- Start-up wizard for quick and easy installation
- HDMI, VGA and BNC (event only) video outputs
- V-stream support
- Operations through OSD/browser/software
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- Supported by TruVision Navigator license-free client/host or standalone application
- TVRmobile app for iOS and Android
- Integration into various Aritech software platforms

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Technical specifications

General

Technology	Analog, HD-TVI analog, IP
Operating system	Embedded Linux
Rack mountable	Yes
Rack stacking size	1.5 U
Removable fan	No
Redundant power supply	No

Video / audio input

Camera channels	16
Analog camera channels	16
IP camera channels	16 (with all analog channels disabled)
Max. bandwidth per channel	Analog/HD-TVI: 10, IP: 16
Audio compression	G.711
Max. IP audio in	16
Max. analog audio In	4
Supported video compression standards	H.264, H.265
Supported video streaming standards	Onvif

Local viewing

HDMI output	2
HDMI version	1.4
VGA output	1
BNC output	1
Max. local output resolution	4K
Synchronous playback OSD (channels)	16
Reverse playback OSD (channels)	1

Remote viewing

Total available viewing bandwidth	Combined in/out: TVR-4508: 200 Mbps; TVR-4516: 260 Mbps
Max. live viewing streams	128
Software compatibility	Advisor Management Software (ATS8600), OnGuard, TruVision Navigator, TVRmobile
Browser compatibility	Internet Explorer

Storage

Storage capacity	4 TB
SATA interfaces	4
Max. capacity per SATA HDD (TB)	6
Maximum recording resolution	4 MP (IP), 5 MP (HD-TVI)
Recording modes	Alarm, Event, Manual, Time-lapse high, Time-lapse low
External storage	eSATA, NAS, SAN
Supported RAID levels	RAID 0, RAID 1, RAID 10, RAID 5, RAID 6
Hard drive redundancy	Yes
Hard drive grouping	Yes
Hot swappable HDDs	No
SAS extension	No
Flip-open front panel	Yes
Auto archiving	Yes
Hot spare recorder	No
Edge failover recording	No

Networking

Network interface cards (NIC)	2
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
NIC mode	Multi-address Mode, Network Redundancy
Network ports per NIC	1
DNS support	DDNS, ezDDNS, No-IP
HTTPS support	Yes

External interfaces

USB interface back	1
USB interface front	2
Serial interface	RS-232, RS-485
Alarm inputs	16
Alarm outputs	4
Max. analog audio outputs	2

Electrical

Operating voltage	100 to 240 VAC
Power consumption	65 W without HDD
Power consumption without HDD (W)	65

Physical

Physical dimensions	445 x 390 x 70 mm
Colour	Black

Environmental

Operating temperature	-10 to +55 °C
Relative humidity	10 to 90% noncondensing

Regulatory

Compliancy	CE, REACH, RoHS, UL

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