UTC Fire & Security
A United Technologies Company

TVR15CHD
TruVision™ DVR 15c HD, HD-TVI Hybrid 4 channel compact recorder

Overview

The TruVision DVR 15cHD (TVR 15CHD) is a cost-effective HD Hybrid video recorder capable of recording up to 4 camera inputs.
This HD Hybrid recorder is uniquely qualified to upgrade existing analog installations, offering a competitive 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 15CHD can connect any HD-TVI camera, offering resolutions up to 5 MPX over existing coax cable.
Next to HD-TVI, TVR 15CHD also connects standard analog cameras, allowing reuse of existing analog cameras which do not yet need to be replaced/upgraded.
Finally, TVR 15CHD is capable of connecting TruVision IP cameras up to 4 MPX to all its channels (when disabling the analog channels).

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 15CHD 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 15CHD 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 or send a notification message to TVRmobile). Also the heartbeat message between panel and recorder is monitored. This solution offers straightforward alarm verification and is free of charge.

Standard Features

- Linux embedded Plug and Play configuration
- Supports standard analog,HD-TVI and IP technology
- Up to 4 analog cameras
- Up to 4 IP cameras (when disabling all analog channels)
- Up to 5 MPX HD-TVI camera support
- Up to 4 Mpx 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 cameras
- New icon based front panel
- Real time Full HD recording
- 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
- Integration of UTC 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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Specifications

Video/Audio input

Analog camera input:	Up to 4 channels; automatic detection of analog and HD-TVI
IP camera input:	Up to 4 channels (with all analog channels disabled)
HD-TVI camera resolutions supported:	720P, 1080P, 3 MPX, 5 MPX
IP camera resolution supported:	Up to 4MPX
Maximum bit rate per channel:	Analog: Up to 8 Mbps (main stream)/Up to 3Mbps (sub stream) IP: follow capacity of IP camera but will not exceed 16 Mbps
Video compression standards supported:	H.264
Audio input:	4-ch, RCA (2.0 Vp-p, 1 KOhm)
Onvif support:	Yes, version: Profile S

Video/audio output

BNC output:	1-ch, BNC (1.0 Vp-p, 75 Ohm) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC); event only
HDMI output resolutions:	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz
HDMI version:	HDMI 2.0 (compatible with 1.4)
VGA output resolutions:	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz
Playback resolution:	Up to Full HD
Audio output:	1-ch, RCA (Linear, 1 KOhm)
Synchronous playback OSD:	Up to 4 channels
Simultaneous playback browser:	Up to 4 tiles
Reverse playback OSD:	Up to 1 channel

Recording

Recording resolution:	5 MPX (HD-TVI only) / 4 MPX (IP only) / 3 MPX / Full HD 1080P / 720P / 960H / VGA / 4CIF / DCIF / 2CIF/ CIF / QCIF
SATA:	1 SATA interface
Maximum onboard storage capacity:	Up to 4TB
Recording modes:	Time Lapse High, Time Lapse Low, Event, Alarm, Manual

Networking

Network interface:	1 RJ-45 10/100 Mbps self-adaptive Ethernet interface
ezDDNS:	Yes
DDNS:	Yes
no-IP.com:	Yes
Total viewing streams available	128
Maximum total incoming/ outgoing bandwidth (combined):	96 Mbps

External interface

Serial interface:	1 RS-232 interface (Technical support)/ 1 RS485 (PTZ control)
USB interface:	Front: 1 x USB 2.0 / Back panel: 1x USB 3.0
Alarm interface:	4 alarm in, 1 relay out

General

Power supply:	12 VDC (External PSU included)
Power consumption (without hard disk):	Less than 15W
Operating temperature:	-10 ºC to +55 ºC (14 ºF to 131 ºF)
Operating humidity:	10% to 90%
Dimensions (W x D x H):	315 x 242 x 45 mm
Weight (without hard disk):	Less than 1.5 kg
Rack mountable:	No

Operations

Local:	Front panel / IR remote / USB mouse
Remote:	IP keypad / Browser interface / TruVision Navigator / TVRmobile

Browser requirements:	IE 9, 10, 11 / Mozilla Firefox

Ordering Information

Part No.	Description
TVR-1504CHD-1T	TruVision™ DVR 15c HD, HD-TVI Hybrid 4 channel compact recorder, 1TB
TVR-1504CHD-2T	TruVision™ DVR 15c HD, HD-TVI Hybrid 4 channel compact recorder, 2TB
TVR-1504CHD-4T	TruVision™ DVR 15c HD, HD-TVI Hybrid 4 channel compact recorder, 4TB
TVR-1508HD-2T	TruVision™ DVR 15 HD, HD-TVI Hybrid 8 channel recorder, 2TB
TVR-1508HD-4T	TruVision™ DVR 15 HD, HD-TVI Hybrid 8 channel recorder, 4TB
TVR-1508HD-8T	TruVision™ DVR 15 HD, HD-TVI Hybrid 8 channel recorder, 8 TB
TVR-1516HD-2T	TruVision™ DVR 15 HD, HD-TVI Hybrid 16 channel recorder, 2TB
TVR-1516HD-4T	TruVision™ DVR 15 HD, HD-TVI Hybrid 16 channel recorder, 4TB
TVR-1516HD-8T	TruVision™ DVR 15 HD, HD-TVI Hybrid 16 channel recorder, 8TB

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