UTC Fire & Security
A United Technologies Company

TVR12cHD
TruVision™ DVR 12c HD, HD-TVI Hybrid 4 channel compact recorder

Overview

The TruVision DVR 12cHD (TVR 12cHD) 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 12cHD can connect any HD-TVI camera, offering HD and Full HD resolutions over existing coax cabling.
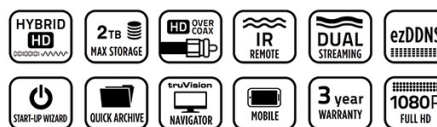Next to HD-TVI, TVR 12cHD also connects standard analog cameras, allowing reuse of existing analog cameras which do not yet need to be replaced/upgraded.
Finally, TVR 12cHD is capable of connecting up to half of its total channels to TruVision IP cameras, making this a true HD Hybrid solution.

HD-TVI technology

HD-TVI allows you to run a Full HD analog signal over existing standard coax cabling up to 500 meters – those are the same specifications as for standard analog systems today.
Additionally, TVR 12cHD 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.

Standard Features

- Up to 4 analog cameras
- Up to 2 IP cameras (+2 analog)
- HD-TVI technology
- Over-the-coax control for TruVision HD-TVI cameras
- Use existing coax cabling for HD-TVI cameras
- Real-time HD recording
- Full HD recording at 12 fps
- Up to 2 TB internal storage
- Text overlay for POS/ATM
- Reverse video playback
- USB archiving
- Start-up wizard for quick and easy installation
- HDMI, VGA and BNC video outputs
- V-stream support
- Front panel controls
- Operations through OSD/browser/software
- TruVision Navigator support
- Mobile app for iOS, Android & Windows Mobile
- IP Keypad support
- ezDDNS

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Specifications

Video/Audio input

Analog camera input:	Up to 4 channels
IP camera input:	Up to 2 channels (plus 2 analog channels)
Maximum bandwidth per channel:	4 Mbps
Video compression standards supported:	H.264, MPEG-4
Audio input	4-ch, RCA (2.0 Vp-p, 1 k Ohm)

Video/Audio output

BNC output:	1-ch, BNC (1.0 Vp-p, 75 Ohm) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output:	1-ch, resolution: 1920 × 1080P / 60Hz, 1920×1080P / 50Hz, 1600 × 1200/ 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
HDMI version:	1.4
VGA output:	1-ch, resolution: 1920 × 1080P / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
Digital zoom:	Up to x16
Playback resolution:	Up to Full HD 1080p
Audio output:	1-ch, RCA (Linear, 600 Ohm)
Synchronous playback OSD:	Up to 4 channels
Simultaneous playback browser:	Up to 4 tiles
Reverse playback OSD:	Up to 1ch
Reverse playback browser:	Up to 4 channels, depending on PC performance

Recording

Recording resolution:	1080P / 720P / 960H / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
SATA:	1 SATA interface
Maximum onboard storage capacity:	2 TB
Recording modes:	Time lapse High, Time lapse Low, Event, Alarm, Manual

Networking

Network interface:	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
ezDDNS:	Yes
DDNS:	Yes
no-IP.com:	Yes
Total viewing streams available:	128 streams
Maximum outgoing bandwidth:	60 Mbps

External interface

Serial interface	1 RS-232 interface (configuration, maintenance, POS/ATM link)
USB interface:	1 x USB 2.0 (front), 1 x USB 2.0 (back)
Alarm interface:	4 alarm in, 1 alarm relay output

General

Power supply:	12 VDC (External PSU included)
Power consumption (without hard disk):	10 W (4 ch)
Operating temperature:	-10 ℃ to +55 ℃ (14 ℉ to 131 ℉)
Operating humidity:	10% to 90%
Chassis:	1U desk-based chassis
Dimensions (W x D x H):	315 x 222.8 x 44.5 mm
Weight (without hard disk):	Less than 8 kg

Operations

Local:	Front panel / IR remote / USB mouse
Remote:	IP keypad / Browser interface / TruVision Navigator / TVRmobile
Browser requirements:	IE 8 9 10 11

Ordering Information

Part No.	Description
TVR-1204cHD-1T	
TVR-1204cHD-2T	
TVR-1208HD-2T	
TVR-1208HD-4T	
TVR-1216HD-2T	
TVR-1216HD-8T	
TVR-1216HD-4T	

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