



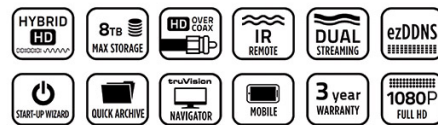
## TVR12HD

TruVision™ DVR 12 HD, HD-TVI Hybrid 8/16 channel recorder

### Overview

The TruVision DVR 12HD (TVR 12HD) is a cost-effective 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 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 12HD can connect any HD-TVI camera, offering HD and Full HD resolutions over existing coax cabling.

Next to HD-TVI, TVR 12HD also connects standard analog cameras, allowing you to reuse existing analog cameras which do not yet need to be replaced/upgraded.

Finally, TVR 12HD is capable of connecting up to half of its total channels to TruVision IP cameras, making this a true HD Hybrid series.

### 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 12HD 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 8/16 analog cameras
- Up to 4/8 IP cameras (+4/8 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 4/8 TB internal storage
- Hard drive grouping & mirroring
- 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
- ezDDNS
- IP Keypad support

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## Specifications

<b>Video/Audio input</b>	
Analog camera input:	Up to 8/16 channels
IP camera input:	Up to 4/8 channels (plus 4/8 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 )
<b>Video/Audio output</b>	
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 8/16 channels
Simultaneous playback browser:	Up to 8/16 tiles
Reverse playback OSD:	Up to 1ch
Reverse playback browser:	Up to 8/16 channels, depending on PC performance
<b>Recording</b>	
Recording resolution:	1080P / 720P / 960H / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
SATA:	2 SATA interfaces
Maximum onboard storage capacity:	8 TB
Recording modes:	Time lapse High, Time lapse Low, Event, Alarm, Manual
<b>Networking</b>	
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
<b>External interface</b>	
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
<b>General</b>	
Power supply:	12 VDC (External PSU included)
Power consumption (without hard disk):	15 W (8ch), 20 W (16 ch)
Operating temperature:	-10 °C to +55 °C (14 °F to 131 °F)
Operating humidity:	10% to 90%
Chassis:	1.5U rack mountable or desk-based chassis
Dimensions (W x D x H):	362 × 332 × 79 mm
Weight (without hard disk):	Less than 8 kg
<b>Operations</b>	
Local:	Front panel / IR remote / USB mouse
Remote:	IP keypad / Browser interface / TruVision Navigator / TVRmobile
Browser requirements:	IE 8 9 10 11
Maximum outgoing bandwidth:	96/128 Mbps

## Ordering Information

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

