



TVR44HD

TruVision™ DVR 44 HD, HD-TVI Hybrid 8/16 channel recorder

Overview

The TruVision DVR 44HD (TVR 44HD) 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 44HD can connect any HD-TVI camera, offering HD and Full HD resolutions over existing coax cabling.

Next to HD-TVI, TVR 44HD also connects standard analog cameras, allowing you to reuse existing analog cameras which do not yet need to be replaced/upgraded.

Finally, TVR 44HD is capable of connecting all of its channels on IP, making this a true HD Hybrid series.

Advanced functionality

TVR 44HD 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 two analog channels, support for IP camera VCA, auto-archiving, NAS & eSATA support for additional storage, front panel accessible hard drives for service and expansion, and many more.

HD-TVI technology

HD-TVI allows you to run a Full HD analog signal over existing standard coax cabling, following the same specifications as for standard analog systems today. Additionally, TVR 44HD 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 cameras (HD-TVI, IP or analog)
- Open HD-TVI technology
- Over-the-coax control for TruVision HD-TVI cameras
- Use existing coax cabling for HD-TVI cameras
- Real-time Full HD recording
- Up to 16 TB of internal storage
- Expandable storage with NAS or eSATA
- Hard drive grouping & mirroring
- Front side accessible hard drives
- Dual stream recording
- Auto-archiving
- VCA for two analog channels
- 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
- Integration into various UTC software platforms

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Specifications

Video/Audio input

| | |
|--|---------------------------------|
| Analog camera input: | Up to 8/16 channels |
| IP camera input: | Up to 8/16 channels |
| Maximum bandwidth per channel: | 6 Mbps |
| Video compression standards supported: | Only H.264 |
| Audio input (recorded) | 4-ch, RCA (2.0 Vp-p, 1 k Ohm) |
| Audio input (not recorded) | 1-ch, RCA (2.0 Vp-p, 1 k Ohm) |

Video/Audio output

| | |
|--------------------------------|---|
| BNC output: | 1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 \times 576 (PAL); 704 \times 480 (NTSC) |
| HDMI output: | 1-ch, resolution: 1920 \times 1080P / 60Hz, 1920 \times 1080P / 50Hz, 1600 \times 1200/ 60Hz, 1280 \times 1024 / 60Hz, 1280 \times 720 / 60Hz, 1024 \times 768 / 60Hz |
| HDMI version: | 1.4 |
| VGA output: | 1-ch, resolution: 1920 \times 1080P / 60Hz, 1600 \times 1200 / 60Hz, 1280 \times 1024 / 60Hz, 1280 \times 720 / 60Hz, 1024 \times 768 / 60Hz |
| Digital zoom: | Up to x16 |
| Playback resolution: | Up to Full HD 1080p |
| Audio output: | 2-ch, RCA (Linear, 600 Ohm) |
| Synchronous playback OSD: | Up to 8/16 channels |
| Simultaneous playback browser: | Up to 8 tiles for TVR4408 and 16 tiles for TVR4416, depending on PC performance and network bandwidth |
| Reverse playback OSD: | Up to 1ch |
| Reverse playback browser: | Up to 8 tiles for TVR4408 and 16 tiles for TVR4416, depending on PC performance and network bandwidth |

Recording

| | |
|-----------------------------------|---|
| Recording resolution: | 1080P / 720P / 960H / VGA / 4CIF / CIF / QVGA (substream) / QCIF(substream) |
| SATA: | 4 SATA interfaces |
| Maximum onboard storage capacity: | 16 TB |
| Recording modes: | Time lapse High, Time lapse Low, Event, Alarm, Manual |
| Fliptop front panel: | Yes |
| Dual stream recording: | Up to 4/8 channels |
| Auto-archiving | Yes |

Networking

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|----------------------------------|---|
| 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 |
| Total bandwidth available: | 200 Mbps in/out |

External interface

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|------------------|---|
| Serial interface | 1 RS-232 interface (configuration, maintenance, POS/ATM link) |
| USB interface: | 2 \times USB 2.0 (front), 1 \times USB 2.0 (back) |
| Alarm interface: | 16 alarm in, 4 alarm out |

General

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|--|--|
| Power supply: | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz |
| Power consumption (without hard disk): | less than 45 W |
| Operating temperature: | -10 $^{\circ}$ C to +55 $^{\circ}$ C (14 $^{\circ}$ F to 131 $^{\circ}$ F) |
| Operating humidity: | 10% ~ 90% |
| Chassis: | 1.5U rack mountable or desk-based chassis |
| Dimensions (W \times D \times H): | 442 \times 371 \times 74 mm |
| Weight (without hard disk): | less than 8 kg |

Operations

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|--------|-------------------------------------|
| 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 |
|----------|---|
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