



Product Data Sheet

TVR42

TruVision™ DVR 42, 4/8/16 channel 960H Digital Video Recorder

Overview

TruVision™ DVR 42 (TVR 42) takes TruVision DVRs to the next level of quality, introducing 960H image technology.

The line represents a reliable and easy-to-use 4, 8 or 16 channel analog 960H video recorder. It utilizes H.264 video compression technology to deliver real-time recording on each channel at 960H resolution.

For user-friendly operations, remote management and reliable, real-time recording, the TVR 42 represents a comprehensive solution that fits your needs as well as your budget.



Superior image quality

TVR 42's 960H technology allows the unit to fully benefit from higher TVL cameras up to 700 TVL. Its 960H resolution (960x480) is more than 30% larger than standard 4CIF or D1 images and allows you to show more details within one view. When bundling TVR 42 with the latest available 700 TVL cameras, this unit truly provides the best available images in conventional CCTV.

Remote operation and management

In addition to its local operation capabilities using HDMI, VGA or BNC outputs, the TVR 42 has a built-in multilingual web browser and access through mobile apps which allow you to stay connected remotely via web-enabled devices. Login via your smart phone or tablet to monitor facilities, people or valuables, or configure, monitor and control the system remotely with TruVision Navigator.

TruVision Navigator allows the TVR 42 to integrate easily with existing systems and features a familiar, user-friendly interface. Start-up wizards make installation and DDNS setup quick and simple.

Standard Features

- 4/8/16 channel real-time 960H recorder
- Recording of 700 TVL
- H.264 compression technology
- Start-up wizard for quick and easy installation, search and playback
- Reverse playback on OSD, browser interface and TruVision Navigator for efficient search operations
- HDMI, VGA, BNC video outputs
- Dual monitor support - Monitor A/B and spot monitor
- Up to 12TB internal storage
- External storage or backup via eSATA
- Dual stream recording
- Time lapse, event, alarm and manual recording settings
- User-friendly, icon-based user interface
- E-mail notifications including images or HTML links upon alarm or event
- PTZ control via mouse, front panel control, IR remote or KTD-405 keypad
- Camera to HDD assignment for HDD data grouping
- Redundant storage to protect data in event of HDD failure
- Locking of front panel to prevent accidental use
- TVRmobile application for smart phones and tablets allows you to monitor your system from any location
- Fully compatible with TruVision Navigator 5.0 SP1 or higher

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Specifications

Video/Audio input	
Video compression:	H.264
Analog video input:	4/8/16 channel, BNC, Vp-p, 75 Ohm), PAL / NTSC self-adaptive
Audio compression:	G722
Audio input:	4/8/16 channel, RCA, (2.0 Vp-p, 1 k Ohm)
Two-way audio:	1-ch, RCA (2.0 Vp-p, 1 k Ohm)
Video encoding	
Encoding resolution:	960H / 4CIF / 2CIF / CIF / QCIF
Frame rate:	up to 25 fps (PAL) / 30 fps (NTSC)
Real-time recording:	960H or lower @ 25/30 fps
Video bit rate:	32 Kbps ~ 4096 Kbps, or user defined (Max. 4096 Kbps)
Dual-stream:	Sub-stream at CIF/QCIF: 25 fps (PAL) / 30 fps (NTSC)
Stream type:	Video, Video & Audio
Playback resolution:	960H/4CIF / 2CIF / CIF / QCIF
Synchronous playback:	4/8/16 channels
Recording of secondary stream:	Yes
Video/audio output	
HDMI output resolution:	1920 × 1080P / 60 Hz, 1920 × 1080P / 50 Hz, 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz
HDMI version:	1.3
VGA output resolution:	1920 × 1080P / 60 Hz, 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz
BNC output resolution:	1-ch, BNC (1.0 Vp-p, 75), resolution: PAL: 704 × 576, NTSC: 704 × 480
Video spot output resolution:	1-ch, BNC (1.0 Vp-p, 75), resolution: PAL: 704 × 576, NTSC: 704 × 480
Video loop out:	4/8/16 channel
Reverse playback:	4 channel on browser or TruVision Navigator, 1 channel on OSD
Audio output:	2-ch, RCA
Audio bit rate:	16 Kbps
Hard disk	
Maximum storage:	12TB
Capacity:	maximum 2TB capacity per disk, up to 6 disks
eSATA:	1 eSATA interface
Hard drive mirroring:	Yes
Networking	
Network interface:	1 RJ45 10/100/1000Mbps Ethernet interface
ezDDNS:	Yes
DDNS:	Yes
Maximum outgoing streams:	64
External interfaces	
Serial interface:	1 RS-232 interface (for Probridge, Challenger, Technical Support); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for KTD405 keyboard control)
USB interface:	2 x USB2.0
Alarm in:	16
Alarm out:	4
Embedded DVD burner:	Yes
Mouse support:	Yes
Keyboard support:	Yes
POS/ATM interface:	Yes
Environmental	
Power supply:	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz
Consumption (without hard disk or DVD-R/W):	Less than 35 W
Operating temperature:	-10 °C ~ +55 °C
Operating humidity:	10% ~ 90%
Chassis:	19-inch rack-mounted 2U chassis
Dimensions (W × D × H):	445 × 470 × 90 mm
Weight:	Less than 8 kg (without hard disk or DVD-R/W)
Software	
TruVision Navigator:	Version 5.0 SP1 and above
TVRmobile:	Version 2.0 and above

Storage and archiving

The TVR 42 allows you to use up to six embedded 2TB HDDs, totaling up to 12TB.

With features such as HDD mirroring, this reliable DVR ensures that vital recording are preserved, even in the event of HDD failure.

Video can also be archived via CD, DVD, USB and eSATA devices using either the quick archive button on the unit's front panel, or the export features embedded in the OSD, web browser or TruVision Navigator.

