TVR42

8 or 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 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

Additional to its local operation capabilities using HDMI, VGA or BNC outputs, the TVR 42 has a built-in 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.

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.

Standard Features

- 8 or 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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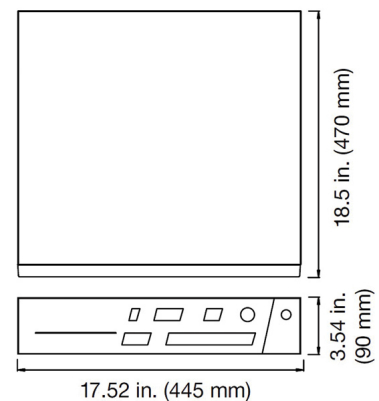## Digital Video Recorder

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Specifications

Video/ Audio Input	Video compression	H.264
	Analogue video input	8/16 channel, BNC, Vp-p, 75 Ohm), PAL /NTSC self-adaptive
	Audio compression	G722
	Audio input	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)
	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)
	Stream type	Video, Video & Audio
	Playback resolution	960H/4CIF / 2CIF / CIF / QCIF
	Synchronous playback	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
	Video spot output resolution	1-ch, BNC (1.0 Vp-p, 75), resolution: PAL:704 × 576
	Video loop out	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 DVDR/W)	Less than 35 W
	Operating temperature	-10 ºC ~ +55 ºC
	Operating humidity	10% ~ 90%
	Chassis	19-inch rack-mounted 2U chassis
	Dimensions (W x D x 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

Dimensions

18.5 in. (470 mm)

3.54 in. (90 mm)

17.52 in. (445 mm)

Ordering Information

TVR-4208-2TEA	TruVision DVR42, 8 channel real-time, 700 TVL, 2TB
TVR-4208-4TEA	TruVision DVR42, 8 channel real-time, 700 TVL, 4TB
TVR-4216-2TEA	TruVision DVR42, 16 channel real-time, 700 TVL, 2TB
TVR-4216-4TEA	TruVision DVR42, 16 channel real-time, 700 TVL, 4TB
TVR-4216-8TEA	TruVision DVR42, 16 channel real-time, 700 TVL, 8TB
TVR-4216-12TEA	TruVision DVR42, 16 channel real-time, 700 TVL, 12TB
TVR-4216-16TEA	TruVision DVR42, 16 channel real-time, 700 TVL, 16TB

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