UTC Fire & Security
A United Technologies Company

Product Data Sheet

TVR40

TruVision™ Line DVR 40, 4-, 8-, or 16- ch. H.264 Digital Recorder

Most Advanced Value Line DVR

The TruVision™ DVR 40 (TVR 40), the third DVSR generation is a cost-effective, full size digital video recorder with 4-, 8- or 16 channel capability, utilizing H.264 compression technology which offers real-time recording per channel at CIF resolution.

High capacity and robustness

Not only can the TVR 40 family record extra-high quality images, it can store up to 12Tbytes (equivalent to several years of storage), and can archive video on a CD/DVD, a USB memory stick, and eSATA devices. The TVR 40 has advanced Self-Monitoring and Reporting Technology (SMART) and sophisticated PowerSaving features which extend the lifetime of the HDD by idling those not in use.

PTZ control

TruVision™ DVR 40 allows controlling PTZ cameras either via the IR remote control, the new multifunctional frontpanel joystick or by using the mouse.
TVR 40 supports additionally the new TVK-505 remote control keypad.

Dual Streaming

The TruVision™ DVR 40 dual streaming functionality allows the user to set up different settings for recording and streaming video in live mode.

Remote Operation

The easy and intuitive-to-use web browser interface enables remote configuration and secure viewing, searching, and playing back of video from most computers via the Internet.

Easy to use

Despite all its advanced functions, the TVR 40 has an easy to learn web browser and a multi-language OSD menu, icon-driven user interface.

Standard Features

- TVR 40 is a 3rd generation DVSR with enhanced design and built-in CD/DVD burner
- 4, 8 or 16 channels real-time recording at CIF resolution
- Video authentication ensures video authenticity
- PTZ and Dome camera control via mouse, front panel joystick and IR remote controller
- Dual streaming functionality allows to use different settings for recording and streaming video
- Email Notification upon alarm w. attached images
- Dual monitor support - independently configurable full- and multi-screen
- Ability to fully integrate with the license-free GE Nav software and TVRmobile software
- Networkable via Ethernet (TCP/IP) for remote monitoring, searching, playback, archiving, configuration, alarm notifications and firmware upgrades
- Features up to 12 Tbytes internal storage
- SMART and PowerSaving supported for extended HDD lifetime
- English and 16 European-languages OSD menu
- HDD designed for 24x7 operation and high write duty cycles
- Auto Back Up – configurable per camera
- Ability to fully interoperate with the TVK-505 keypad
- ATM ready with more than 10 built- in protocols
- Compliant to the German BGV Kassen decree
- Compliant to the French decree from August 3rd. 2007

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Specifications

Video
- Conditioning: AGC, 0.7 to 1.4 V p-p video accepted
- Horizontal resolution: 704 pixels
- Vertical resolution: 576 lines
- Video compression standard: H.264
- Monitor A composite: Full & Multi-Screen output, BNC connector, NTSC/EIA or PAL/CCIR compatible
- VGA : Same display content as monitor A
- Monitor B composite: Full & Multi-Screen output, BNC connector, NTSC/EIA or PAL/CCIR compatible
- Multi-Screen display TVR 4004: Full, and quad
- Multi-Screen display TVR 4008: Full, quad and 9 up
- Multi-Screen display TVR 4016: Full, quad, 9, 12 and 16 up

Recording
- Hard drive: 6-HDD SATA supporting SMART
- Resolution: 4CIF (704x576), 2CIF (704x288), CIF (352x288) and QCIF (176x144)
- TVR 4004: 100fps CIF, 50fps 2CIF, 25fps 4CIF
- TVR 4008: 200fps CIF, 100fps 2CIF, 50fps 4CIF
- TVR 4016: 400fps CIF, 200fps 2CIF, 100fps 4CIF
- Bandwidth: Up to 2 Mbit/sec. per ch. scalable
- Mode: Manual, Schedule, Motion and Alarm

Audio
- Compression standard: OggVorbis, 16 Kbps
- Input: 4, 8 or 16 channels, BNC
- Output: 1 BNC

Video Motion, Privacy Masking and Tampering detection
- Zones per camera: 396 zones per camera (22 x 18 grid)

Operation
- OS: VxWorks real-time OS
- Languages: English & 14 European languages
- Users: Admin, Manager, Opreator & 13 additional

Network
- Type: 10/100 Base-T, RJ-45
- Protocol: TCP, IP, ARP, RARP, PPP, PPPoE, DHCP,SNMP
- Others: ADSL modem and PSTN line for alarm video transmission
- e-SATA: 1

Archive
- Audio and Video: Via built-in CD/DVD burner, USB2.0 or e-SATA

Connectors
- RS-232 serial port: RJ-45
- RS-485 PTZ control port: Screw terminal strip
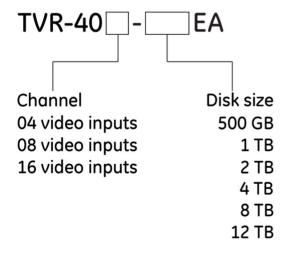- USB: 1
- Keypad: Screw terminal strip

Alarm Handling
- Alarm Monitor: Mon A or B (configurable)
- Alarm input: 4, 8 or 16 programmable NO/NC
- Alarm output: Form C alarm relay (4)

Miscellaneous
- Input voltage: 90 to 135 VAC / 180 to 256 VAC, 47 to 63 Hz
- Power consumption: max 126 W
- Temperature: -10 to +50°C
- Relative humidity: 10 to 90%
- Dimensions (W x H x D): 435 x 95 x 455 mm, 19-inch (2U)
- Weight: Max. 11 kg
- Mounting: Rack mount kit optional

Remote Software Requirements
- Intel-based PC: 1 GHz or faster
- Memory: 1 GB RAM minimum
- Operating system: Windows® XP, Vista or Windows 7
- DirectX: 9.0 or later
- Browser: Microsoft® Internet Explorer 6.0 or later

Ordering Information

TVR40
TruVision™ DVR 40, 4-, 8-, or 16- ch. H.264 DVR, real-time CIF, remote software, bi-directional audio

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Channel	Disk size
04 video inputs	500 GB
08 video inputs	1 TB
16 video inputs	2 TB
	4 TB
	8 TB
	12 TB

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