

# Video Surveillance TruVision™ Line Video Recorder

## Overview

The TruVision™ DVR 40 (TVR 40) is a cost-effective, full size digital video recorder with 8 or 16 channel capability, utilizing H.264 compression technology and dual streaming which offers real-time recording per channel at CIF (704 x 576) resolution.

The TVR 40 supports triplex functionality for simultaneous live view, playback and recording. Not only can the TVR 40 family record extra-high quality images, it can store up to 12Tbytes 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 power saving features which extend the lifetime of the HDD by idling those not in use.

The TVR 40 has a built in web server to enable remote configuration of the DVR and securely view footage from any part of the world using a web browser. It integrates with the GE Nav client which is an easy to use server software. TruVision™ DVR 40 allows controlling PTZ cameras either via the IR remote control, the new multifunctional front panel joystick or by using the mouse.

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

## TruVision™ Line

# TVR 40

## H.264 Digital Video Recorder

## Standard Features


- TVR 40 is an H.264 dual streaming video technology, enhanced design and built-in CD/DVD burner
- 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
- Supports all major brands of PTZ protocols
- Email Notification upon alarm with attached images
- Dual monitor support - independently configurable full and multi-screen
- Fully integrates 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
- HDD designed for 24x7 operation and high write duty cycles
- Auto Back Up – configurable per camera




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## Specifications

Video		Operation	
Video Signal Input	AGC, 0.7 to 1.4 V p-p video accepted	OS	VxWorks real-time OS
Resolution	H = 704 pixels ; V= 576 lines	Users	Admin, Manager, Operator & 13 additional
Video compression standard	H.264	Network	
Monitor A composite	Full & Multi-Screen output, BNC connector, NTSC/EIA or PAL/CCIR compatible	Type	10/100 Base-T, RJ-45
VGA	Same display content as monitor A	Protocols	TCP, IP, ARP, RARP, PPP, PPPoE, DHCP,SNMP
Monitor B composite	Full & Multi-Screen output, BNC connector, NTSC/EIA or PAL/CCIR compatible	Others	ADSL modem and PSTN line for alarm video transmission
Multi-Screen display TVR4004	Full and quad	e-SATA	1
Multi-Screen display TVR4008	Full, quad and 9 up	Archive	
Multi-Screen display TVR40016	Full, quad, 9, 12 and 16 up	Audio and Video	Via built-in CD/DVD burner, USB2.0 or e-SATA
Conformity	 N4131	Connectors	
Recording		RS-232 serial port	RJ-45
Hard drive	6-HDD SATA supporting SMART	RS-485 PTZ control port	Screw terminal strip
Resolution	4CIF (704x576), 2CIF (704x288), CIF (352x288) and QCIF (176x144)	USB	1
TVR 4008	200fps CIF, 100fps 2CIF, 50fps 4CIF	Keypad	Screw terminal strip
TVR 4016	400fps CIF, 200fps 2CIF, 100fps 4CIF	Alarm Handling	
Bandwidth	Up to 2 Mbit/sec. per ch. scalable	Alarm Monitor	Mon A or B (configurable)
Mode	Manual, Schedule, Motion and Alarm	Alarm input	8 or 16 programmable NO/NC
Audio		Alarm output	Form C alarm relay (4)
Compression standard	OggVorbis, 16 Kbps	Miscellaneous	
Input	8 or 16 channels, BNC	Input voltage	90 to 135 VAC / 180 to 256 VAC, 47 to 63 Hz
Output	1 BNC	Temperature	-10 to +50°C
Video Motion, Privacy Masking and Tampering Detection		Relative humidity	10 to 90%
Zones per camera	396 zones per camera (22 x 18 grid)	Dimensions (W x H x D)	435 x 95 x 455 mm, 19-inch (2U)
		Weight	Max. 11kg
		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

8 Channel	
TVR-4008-1TEA	TruVision DVR 40, 8 CH, 1TB real time CIF, remotesoftware, bi-directional audio
TVR-4008-2TEA	TruVision DVR 40, 8 CH, 2TB real time CIF, remotesoftware, bi-directional audio
TVR-4008-4TEA	TruVision DVR 40, 8 CH, 4TB real time CIF, remotesoftware, bi-directional audio
TVR-4008-8TEA	TruVision DVR 40, 8 CH, 8TB real time CIF, remotesoftware, bi-directional audio
TVR-4008-12TEA	TruVision DVR 40, 8 CH,12TB real time CIF, remotesoftware, bi-directional audio
16 Channel	
TVR-4016-12TEA	TruVision DVR 40, 16 CH, 12TB real time CIF, remotesoftware, bi-directional audio
TVR-4016-1TEA	TruVision DVR 40, 16 CH, 1TB real time CIF, remotesoftware, bi-directional audio
TVR-4016-2TEA	TruVision DVR 40, 16 CH, 2TB real time CIF, remotesoftware, bi-directional audio
TVR-4016-4TEA	TruVision DVR 40, 16 CH, 4TB real time CIF, remotesoftware, bi-directional audio
TVR-4016-8TEA	TruVision DVR 40, 16 CH, 8TB real time CIF, remotesoftware, bi-directional audio
Accessories	
TVR-RK-1	TruVision DVR 40 Rack-mount Kit

## Storage Calculator

Approximate Storage 16 Cameras 8 FPS				Approximate Storage 16 Cameras 12 FPS				Approximate Storage 16 Cameras 25 FPS			
Days	QCIF/CIF	2CIF	4CIF	Days	QCIF/CIF	2CIF	4CIF	Days	QCIF/CIF	2CIF	4CIF
7	519 GB	865 GB	1,211 GB	7	751 GB	1,211 GB	n/a	7	1,384 GB	n/a	n/a
14	1,036 GB	1,730 GB	2,423 GB	14	1,503 GB	2,423 GB	n/a	14	2,769 GB	n/a	n/a
30	2,225 GB	3,708 GB	5,191 GB	30	3,220 GB	5,191 GB	n/a	30	5,933 GB	n/a	n/a