Overview

The TruVision™ DVR 30 (TVR 30) digital video recorder brings the benefits of digital security monitoring to small and mid-sized commercial applications. A user-friendly interface and more than a month of hard disk recording make the TVR 30 easy to install, use and maintain. Users can efficiently view, record, and play back recorded high-quality video that is transmitted based on alarms, events and recording attributes like schedules. For added convenience, users can configure the DVR, view live video or search and play back video through the IR remote control, mouse, front-panel buttons or the remote browser.

A cost-effective surveillance solution, the TVR 30 features H.264 video compression technology that allows users to save high-quality images into smaller file sizes for easier storage and streaming over an Ethernet network. Any range of recorded video can be easily copied to a blank recordable CD or DVD and played back without installing any software on the playback PC.

The Record Wizard makes programming easy—by entering the number of days to store video, the DVR programs itself. Up to 16 channels of audio can be recorded for applications requiring audio which is played in sync with video. The dual streaming feature makes it easier to transmit video and audio over low-bandwidth networks.

The TVR 30 is a fit-and-forget solution, with a simple search function for reviewing video. External alarm inputs and motion detection trigger an alarm when movement in a user-definable area of the image is detected. The feature set includes complete search by alarm, motion, and time and date. Video evidence is easily archived to an external device connected through a USB 2.0 port – and because USB 2.0 is hot-swappable, an external device can be connected at any time. Transferring video information is quick and easy, as the TVR 30 creates a file that can be viewed by any PC with a TVR 30 player, making it ideal for retail, education, police interrogation rooms and small commercial applications.

Standard Features

- Network-friendly dual streaming means more efficient and flexible video transmission
- Simple one-button archive video via USB 2.0, CD/DVD or download allows convenient remote access to archived video
- Record Wizard facilitates quick, easy configuration and installation—program DVR to record by number of days or by frame rate
- High-quality recording resolutions—CIF, 2CIF, D1—deliver clear images for quick decision making
- Record up to 120 fps NTSC (100 PAL) at D1 for clear images and quick decision making
- Simple, free, pre-configured DDNS makes remote access easy
- Video Authentication ensures video authenticity that can be verified in browser
- Motion-detection recording saves storage space and time required to search for events
- Network capable via Ethernet (TCP/IP) to provide remote monitoring, searching, playback, archiving, configuration, alarm notifications and firmware upgrades
- 16 channels audio recording
- Bi-directional audio—1 channel allows users to carry on a conversation via remote software over network to DVR
- POS and ATM text insertion (requires ProBridge accessory, sold separately)

TruVision Line

DVR 30
H.264 Digital Video Recorder, Dual-Streaming

Dimensional Diagram

13.77 in. (350 mm)

3.54 in. (90 mm)

14.25 in. (362 mm)
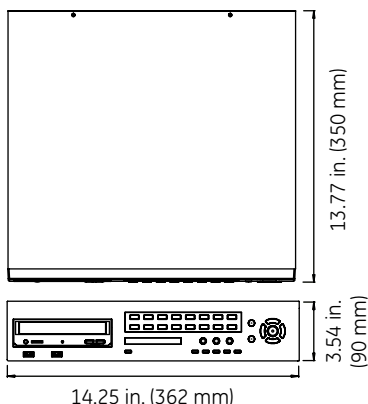
Ordering Information

TVR-3008-500	TruVision™ DVR 30, 8 ch, DVD/CD, 500 GB Storage
TVR-3008-1T	TruVision DVR 30, 8 ch, DVD/CD, 1TB Storage
TVR-3008-2T	TruVision DVR 30, 8 ch, DVD/CD, 2TB Storage
TVR-3016-500	TruVision DVR 30, 16 ch, DVD/CD, 500 GB Storage
TVR-3016-1T	TruVision DVR 30, 16 ch, DVD/CD, 1TB Storage
TVR-3016-3T	TruVision DVR 30, 16 ch, DVD/CD, 3TB Storage

Specifications

Video & Audio

- 8, 16 video inputs, composite BNC, NTSC/PAL compatible
- Video looping (manual termination)
- Recording resolution: CIF, 2CIF, D1
- Real-time Live on all video channels
- Video compression: H.264
- Watermarking
- VGA & HD output resolutions: 800 x 600, 1024 x 768, 1280 x 1024)
- 16 audio channels, line input
- Bi-directional audio (1 channel), line output
- Recording modes: Schedule, Motion, Alarm, continuous
- Pre-alarm (up to 30 seconds)
- Video recording quality: 7 preset settings, Record Wizard, Expert Mode
- Motion detection, 12 x 16 grid array, sensitivity, adjustable trigger
- Video loss detection

Electrical

Power source: Internal power supply, Universal, Auto-switching, 100 - 240 VAC, 50/60Hz, 100W

Mechanical

- Dimensions (WxHxD): 14.25 x 3.54 x 13.77 in. (362 x 90 x 350 mm)
- 2RU
- Weight: 5.5 Kg

Connectors

- Main monitor: VGA, S-video & composite BNC, HD output
- Spot monitor: composite BNC
- Alarm I/O: Terminal block, 3 output relays
- RS-422/RS-485 terminal block
- Video input: composite BNC, (1 Vp-p), loop through
- Audio I/O: terminal block input, RCA output
- 10/100/1000 Ethernet: RJ-45
- USB 2.0 port2, 2 front, 2 back
- RS-232C (D-Sub 9 pin male connector)

Features

- Embedded Operating System: Linux
- Easy-to-use Graphical User Interface, supported by mouse and IR remote control
- Network protocols: DHCP, Static, PPPOE, DDNS
- Bandwidth Throttle
- Dual streaming on live video
- Daylight Saving Time
- One button Archive: Export video/audio built-in CD/DVD burner or USB devices (USB flash drive or HDD)
- Supports KTD-405 Series keyboards
- PTZ control from front panel, IR remote and software
- PTZ protocols include: GE 485, GE 422, Pelco P & D, AD 422, and others
- Text insertion (ProBridge accessory required, sold separately)
- IR remote control (included with batteries)
- USB Mouse (included)

Software:

Web Browser

- Easy to install ActiveX control in Web Browser
- View live video, from 1 camera to all 16 cameras
- Dual streaming enables low-bit rate for low-bandwidth networks
- Search and playback video
- Archive video to Client PC
- Remote configuration. Easy to program DVR via Web Browser
  Minimum System Requirements:
- Intel-compatible PC, 700 MHz or faster
- 1 GB RAM or more
- Windows XP, Vista & 7
- IE 6.x, 7.x or 8.x

Video Player

- Play video that was archived from DVR on PC
Video Player does not require any components to be installed on PC (Zero Footprint).
  Minimum System Requirements:
- Intel-compatible PC, 700 MHz or faster
- 1 GB RAM or more
- Windows 7, XP, Vista
See website or contact Technical Support for latest information on system requirements.

TruVision™ DVR 30 storage tables

16-Channel Units

Storage	30 Days			60 Days			90 Days		
	CIF	2CIF	D1	CIF	2CIF	D1	CIF	2CIF	D1
500 GB HDD	1 fps	-	-	1 fps	-	-	-	-	-
1 TB HDD	3.75 fps	1 fps	1 fps	1 fps	-	-	1 fps	-	-
3 TB HDD	11 fps	3.75 fps	1 fps	3.75 fps	1 fps	1 fps	3.75 fps	1 fps	1 fps

Storage table assumes continuous recording for all 16 cameras at highest quality setting in NTSC video format (with audio recording off). Actual storage and frames per second (fps) may vary by application, camera type, and environmental conditions.

8-Channel Units

Storage	30 Days			60 Days			90 Days		
	CIF	2CIF	D1	CIF	2CIF	D1	CIF	2CIF	D1
500 GB HDD	3.75 fps	1 fps	1 fps	1 fps	-	-	-	-	-
1 TB HDD	7.5 fps	1 fps	1 fps	3.75 fps	1 fps	1 fps	1 fps	1 fps	-
2 TB HDD	7.5 fps	3.75 fps	3.75 fps	1 fps	1 fps	1 fps	3.75 fps	1 fps	1 fps

Storage table assumes continuous recording for all 8 cameras at highest quality setting in NTSC video format (with audio recording off). Actual storage and frames per second (fps) may vary by application, camera type, and environmental conditions.

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