

Video Surveillance TruVision™ Line Video Recorder

Overview

The GE 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 interview 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 of 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)
- Record up to:
 - 120 fps @ D1 resolution
 - 240 fps @ 2-CIF resolution
 - 480 fps @ CIF resolution

TruVision Line

DVR 30

H.264 Digital Video
Recorder, Dual-Streaming



North America
T 888-437-3287

Asia
T 852-2907-8108
F 852-2142-5063

Australia
T 61-3-9239-1200
F 61-3-9239-1299


Europe
T 32-2-725-11-20
F 32-2-721-40-47

Latin America
T 561-998-6100
F 561-994-6572

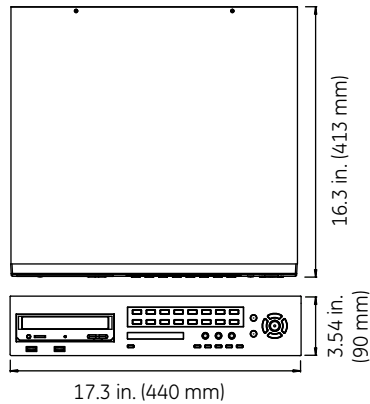
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Dimensional Diagram



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 resolutions (16 channel, total fps for all 16 cameras): 480 fps @ CIF, 240 fps @ 2-CIF, 120 fps @ D1
- Real-time live on all video channels
- Video compression: H.264
- Watermarking/video authentication
- VGA & HD video output
- 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): 17.3 x 3.54 x 16.3 in. (440 x 90 x 413 mm)
- 2RU
- Weight: 5.5 kg
- Operating temperature: 0°C to 40°C
- Relative humidity: 5% to 95% non-condensing

Connectors

- Main monitor: VGA, S-video & composite BNC, HD output
- Spot monitor: composite BNC
- Alarm Input: Terminal block, programmable NO or NC (8 ch: 8 inputs; 16 ch: 16 inputs)
- Alarm Output: Terminal block; 3.0 A; 30 VDC (8 ch: 2 relays; 16 ch: 3 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)

Included

- IR remote control with batteries
- Rack mount kit with screws
- USB mouse
- Quick Start install guide
- Quick Start user guide
- CD with User's Manual (PDF), DVR calculator, AVI code

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 (16 channels of video over 192 kbps connection)
- 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)
- UL Listed

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 play back 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

Smart Phone

- iPhone® and selected Blackberry® models supported by native browser for live video
- *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 | 7.5 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.