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### Overview

DVMRe Triplex is GE Security's digital multiplexer/recorder designed to exceed your expectations of a surveillance recording system. The popular Triplex functionality has been taken one step further with new features that put the DVMRe Triplex in a class by itself.

### Outstanding Features

Without disturbing recording, live and recorded images can be viewed simultaneously on separate monitors or combined onto one monitor. No longer will you miss important events because you are reviewing stored images. In the event of power outage the DVMRe Triplex retains all camera-to-camera assignments in nonvolatile memory so all screen configurations will be re-established when the system is powered up.

And there will be more, clearer images for review. By utilizing Parallel Video Processing (PVP™), DVMRe Triplex can record up to 60 pictures per second (pps). This rate is twice as fast as many other digital recorders and three times faster than most multiplexer/VCR combinations. These images will be archived in the system's four hard drives, improving your ability to store and access recorded images.

DVMRe Triplex also offers FireWire as a standard connection. FireWire is an ultra high speed serial data connection that is capable of transfer speeds of up to 400 mega bits per second to a DVSe. This is 33 times faster than USB. Firewire uses an IEEE 1394 port for transmission. The cable for the IEEE 1394 port must be purchased separately.

The DVMRe Triplex offers advanced search and alarm features. The system can search for movement in a target grid on recorded images over a specific time period, and return all hits of recorded movement in the target grid. The process is quick and easy with minimal setup.

The DVMRe Triplex can interface with electronic cash registers and ATMs to detect fraud and inventory shrinkage. The ProBridge interface captures and references transaction text data associated with recorded video. You can search by transaction number or any other receipt text to instantly retrieve video associated with the reference. When the event is found, the scene can be selected to automatically begin playback.

## **DVMRe Triplex 4-HDD**

*Four Hard Drives in an Advanced Triplex DVMRe*



### Standard Features

- **Triplex capability enables users to watch live and recorded images on one monitor while continuing to record**
- **PVP for ultrafast recording up to 60 pps (50 pps PAL)**
- **Search video clips using motion search to find motion in a user defined area**
- **FireWire connection offers high speed serial data transmission**
- **DHCP-enabled feature minimizes the communication problems associated with dynamic IP addresses**
- **Retrieves the date and time from the Network Time Protocol Server via UDP packet exchange**
- **Jog/shuttle control provides variable speed forward, reverse play, and frame by frame scrutiny of a paused recording**
- **Graphical disk analysis screen display for improved recorded data analysis**
- **Dual multiscreen monitor displays for live viewing and playback**
- **Multiplexer functionality with built-in digital recording**
- **Ethernet LAN/WAN capability, TCP/IP protocol**

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# DVMRe Triplex 4-HDD

Four Hard Drives in an Advanced Triplex DVMRe

Another improved search capability is the Disk Analysis Screen. This feature provides, at the unit, color coded bars indicating per camera information of events, alarms, activities, and video loss.

You have the ability to zoom into a selected area to expand the time window under investigation. The system also offers e-mail notification once an alarm is triggered.

The DVMRe Triplex also supports dynamic IP addresses. This new DHCP-enabled feature eliminates connection problems in a dynamic/static network environment. The DVMRe Triplex retrieves the date and time from the Network Time Protocol Server via UDP packet exchange so the user never has to manually set the time.

Front panel controls are user friendly and intuitive for simple operation, combining the look and feel of classic multiplexer and VCR controls. The DVMRe Triplex is configured with simple onscreen menus.

Users can set up individual cameras to record in time lapse mode, event mode, or both modes at different rates. The DVMRe Triplex is Ethernet ready. Up to 20 users can connect simultaneously, with one user viewing playback of recorded images, and 19 others viewing live images. Operators can use a modem to connect to a remote DVMRe Triplex over standard telephone lines to view live or recorded images, while continuing to record. With WaveReader software (included with every unit), users can select and post images or clips to the network; store, print, and e-mail images; and store video clips. Wavelet video compression makes it possible to archive compact files with high image resolution, and a secret watermark ensures the integrity of each recording.

Using a desktop or laptop PC and WaveReader software, users can watch live or recorded video from any DVMRe in their network and even control PTZ units. This enables users to remotely pan, tilt, and zoom, and to manually focus the camera. Almost anything you can do with the keypad controllers, you can do with WaveReader and a remote PC. Onscreen menus and WaveReader software enable users to search by alarm, time, date, camera number, and text from ATM machines, cash registers, EACs, and other similar devices.

## Specifications

### Inputs

- Camera: 4, 10, or 16 looping BNC connectors, NTSC/EIA or PAL/CCIR compatible; auto-terminating
- Conditioning: AGC, 0.5 to 2.0 V pk-pk video accepted
- Termination: Automatic, 75 ohm or Hi-Z if looped
- RS232 Port 1: DB9 male connector. For POTS, remote control and front panel emulation
- RS232 Port 2: RJ45 connector for ASCII text insertion and event generation

### Video Outputs

- Monitor A Y/C: One monitor A multiscreen output, S-VHS, 4-pin mini-DIN connector
- Monitor A composite: One monitor A multiscreen output, BNC connector, NTSC/EIA or PAL/CCIR compatible
- Monitor B Y/C: One monitor B multiscreen output, S-VHS, 4-pin mini-DIN connector
- Monitor B composite: One monitor B multiscreen output, BNC connector, NTSC/EIA or PAL/CCIR compatible

### Archive

- Archive device type: DVSe, DAT, AIT, RAID, CD-R
- SCSI 2: One 50-pin SCSI-2 port
- IEEE 1394 port: Standard IEEE 1394 connector
- Connector: DB 50-S-SCSI (reversed)

### Network

- Type: 10/100 Ethernet (auto-sensing); one RJ45 connector

### Video

- Display memory: 2048 x 1024 memory array per monitor; 32 MB total display memory
- Colors: YUV 4:2:2, 16.8 million
- Grayscale: 256 levels
- Horizontal resolution: 720 pixels
- Vertical resolution: 484 active lines NTSC/EIA; 576 active lines PAL/CCIR

### Alarm Handling

- Alarm inputs: 4, 10, or 16 programmable NO or NC in menus
- Alarm outputs: Two form-C relays, each NO and NC; rated 0.5 A continuous, 1.0 A momentary
- Alarm latching: Three settings: latched, transparent, timed-out; programmable 1 to 100 sec
- Alarm recording: Programmable priority control: interleaved, exclusive, or none
- Alarm displays: Automatic alarm multiscreens; programmable

### Video Motion and Activity Detection

- Zones per camera: 256, 16 x 16 grid
- Sensitivity settings: 10 levels
- Gray levels per zone: 256 levels
- False alarm rejection processing: 3 levels
- Size discrimination: 256 levels
- Activity record speed: Programmable per camera
- Status output: Link to relay

### Recording

- Hard drive: 4-HDD. Contact GE Security for current hard drive sizes.
- Record speed: Selectable; 60 pps (50 pps PAL) to 0.125 pps; event, time lapse, or both
- Compression: Wavelet format; standard, medium and high quality settings per camera

### Miscellaneous

- Input voltage: 12 VDC, 90 to 264 VAC
- AC/DC adapter included
- Power: 35 W nominal
- Operating temperature: 32° to 104° F (0° to 40° C)
- Relative humidity: 90 percent, noncondensing
- Dimensions: 17.42 in x 13.5 in x 1.75 in (444 mm x 343 mm x 45 mm)
- Weight: 9 lb (4 kg)



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