

DVMRe-CTII

Digital video multiplexer/recorder with WaveJet™ technology

GE's popular DVMRe takes another step forward with the addition of WaveJet™ technology. The DVMRe-CTII adds the ability to save as much as double the video images as the original DVMRe-CT, at medium resolution. Now you can achieve extremely high video compression per megabyte.

WaveJet lets you get more value from your digital video multiplexer/recorder because you get more hours of recording time. For example, a DVMRe-10CT with 600 GB hard drive allows 7 full days of recording time at medium resolution. But with WaveJet, a DVMRe-CTII with the same drive size and recorded resolution will store up to 17 days of images. Depending on how the recording options are set, you can get more than a month of continuous recording time.

In addition, the DVMRe-CTII offers nine selectable quality settings so you have more control over the images you view and record.

Triplex functionality lets you watch live or recorded video while continuing to record high-quality images. And by utilizing Parallel Video Processing™ (PVP), the CTII can record up to 60 pps.

The DVMRe-CTII is also Ethernet ready. Up to 20 users can connect at the same time, with one user viewing playback of recorded images and 19 users able to view live images. WaveReader software (included free with every unit) allows you to select and post images or clips to the network; store, print, and e-mail images; and store video clips.

The DVMRe also supports dynamic IP addresses, making it easier to connect in dynamic and static network environments. The unit retrieves date and time from a Network Time Protocol (NTP) server, so you never have to manually set the time.

Use the included Firewire (IEEE 1394) port to transfer images to GE Security's DVSe archive device.

Reduce fraud and inventory shrinkage when you connect the DVMRe with electronic cash registers or ATMs using ProBridge interface modules. ProBridge units capture and reference transaction data associated with recorded video so you can search by transaction or receipt text to retrieve relevant video clips.

Front-panel controls are user-friendly and intuitive for simple operation, or use the DVMRe's easy onscreen menus for programming and operation.



- WaveJet™ compression technology allows you to save double the amount of video (compared to the DVMRe-CT, recorded at medium resolution)
- Nine selectable quality settings per camera
- Triplex functionality—simultaneous recording, playback, and live multiscreen viewing
- Advanced search (including retail and motion search) and alarm features
- Ethernet capability
- Use included WaveReader software to post images over the network; store, print, and e-mail images; and save video clips for distribution and evaluation
- Video motion detection
- Displays include full screen, sequenced, picture-in-picture, and multiscreen
- IEEE 1394 Firewire interface for fast and easy archiving to GE Security's DVSe archive device.

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DVMRe-CT recording, 10 cameras – duration in days						
Quality	File size	PPS	80 GB	160 GB	320 GB	600 GB
Standard	12500	4.8	1.3	2.8	5.9	11.3
Medium	20000	4.8	1.0	1.7	3.6	7.0
High	27500	4.8	0.7	1.2	2.6	5.0
DVMRe-CTII recording, 10 cameras – duration in days						
Quality	File size	PPS	80 GB	160 GB	320 GB	600 GB
Standard	4000	4.8	4.6	9.4	19.0	35.9
Medium	8500	4.8	2.3	4.5	9.1	17.0
High	18500	4.8	1.0	2.1	4.2	7.8

DVMRe-CTII file sizes		
Quality setting	NTSC file size	PAL file size
Standard 1	4.4K	5.2K
Standard 2	6.4K	7.6K
Standard 3	8.5K	10.0K
Medium 4	10.4K	12.4K
Medium 5	12.5K	15.0K
Medium 6	14.5K	17.0K
High 7	16.5K	19.6K
High 8	18.5K	22.1K
High 9	20.5K	24.5K

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Specifications

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; 576 PAL

Alarm handling

Inputs:	4, 10, or 16 programmable NO or NC in menus
Outputs:	Two Form C relays, each NO and NC; rated 0.5 A continuous, 1.0 A momentary
Latching:	3 settings—latched, transparent, timed out; programmable 1 to 100 sec.
Recording:	Programmable priority control; interleaved, exclusive, or none
Displays:	Automatic alarm multiscreens

Features

Record speed:	Selectable; 60 pps (50 pps PAL) to 0.125 pps; event, time lapse, or both
Compression:	WaveJet
Audio:	1 channel (optional)

Video motion/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

Inputs/outputs

Camera inputs:	4, 10, or 16 looping BNC; NTSC or PAL
Conditioning:	AGC, 0.5 to 2.0 Vp-p video accepted
Termination:	Automatic, 75 ohm or Hi-Z if looped
RS-232 port 1:	DB9 male connector
RS-232 port 2:	RJ45 connector for ASCII text insertion and event generation
Monitor outputs:	2 Y/C, S-video, 4-pin mini-DIN; 2 composite, BNC, NTSC or PAL
Archive:	SCSI-2 50-pin port; Firewire/IEEE 1394
Network:	10/100 Ethernet (autosensing), RJ45

Electrical

Input voltage:	12 VDC, 90 to 264 VAC (AC/DC adapter included)
Current:	35 W nominal

Environmental

Operating temperature:	32 to 104°F (0 to 40°C)
Humidity:	90% noncondensing

Physical

Dimensions (HxWxD):	1.75 x 17.42 x 13.5 in. (45 x 442 x 343 mm)
Weight:	9 lb. (4 kg)

Regulatory

FCC, CE	
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Ordering information

DVMRE-4CTII-X	DVMRe with WaveJet technology, 4 channels and choice of 80 GB, 160 GB, 320 GB, 600 GB, or 1.2 TB hard drives
DVMRE-10CTII-X	DVMRe with WaveJet technology, 10 channels and choice of 80 GB, 160 GB, 320 GB, 600 GB, or 1.2 TB hard drives
DVMRE-16CTII-X	DVMRe with WaveJet technology, 16 channels and choice of 80 GB, 160 GB, 320 GB, 600 GB, or 1.2 TB hard drives

