



# M-JPEG Series Video Disk Recorders



The V1 is a high quality video disk recorder and player designed to record and playback video and audio using hard drives and other digital media. Due to its familiar controls and operation, the V1 can function as an instant replacement for a video tape recorder of any format. It is frame accurate and can be controlled via RS-422 using the familiar "Sony 9-pin protocol". The V1 has the advantage of locating immediately to any position on the disk, providing instant access to the video data.

The V1 records one video channel, up to 8 audio channels and time code (VITC and LTC). The video data is compressed using the Motion-JPEG standard and recorded along with the audio and the time code address onto the disk drive.

The Doremi Labs V1 family of VDRs is a market leader with thousands of installations worldwide. The V1's full feature set and proven reliability have prompted its integration into many diverse production environments. This essentially maintenance free product line has continuously proven itself as the most functional and cost effective solution in the market today.

- 1 Easy to use, familiar interface
- 1 Instant access to video
- 1 Record frame accurate video, audio and time code
- 1 Create and name video clips and play lists
- 1 Playback video straight, loop and slow motion
- 1 Record to removable hard drive, DVD-RAM and MOD
- 1 Record up to 8 channels of audio
- 1 Convert QuickTime, TIFF, TGA and more to and from the V1
- 1 Control via Ethernet or RS-422 using standard control protocols
- 1 Complete Digital/Analog video and audio interfaces
- 1 Front panel video monitoring LCD screen (optional)

## APPLICATIONS

- 1 Drop-in replacement for any format video tape recorder
- 1 Video production and post production
- 1 Playback device for video projectors and displays
- 1 Audio-post video companion
- 1 Video assist recorder



Black front panel version (RCV1)

## V1m

The V1m has the lowest price of the V1 family. It consists of a 2U rack mount chassis with two removable drive bays and no front panel controls. Standard features include S-Video and composite video and two audio channels. One audio expansion slot is available. SDI and RGB/YUV video are optional.



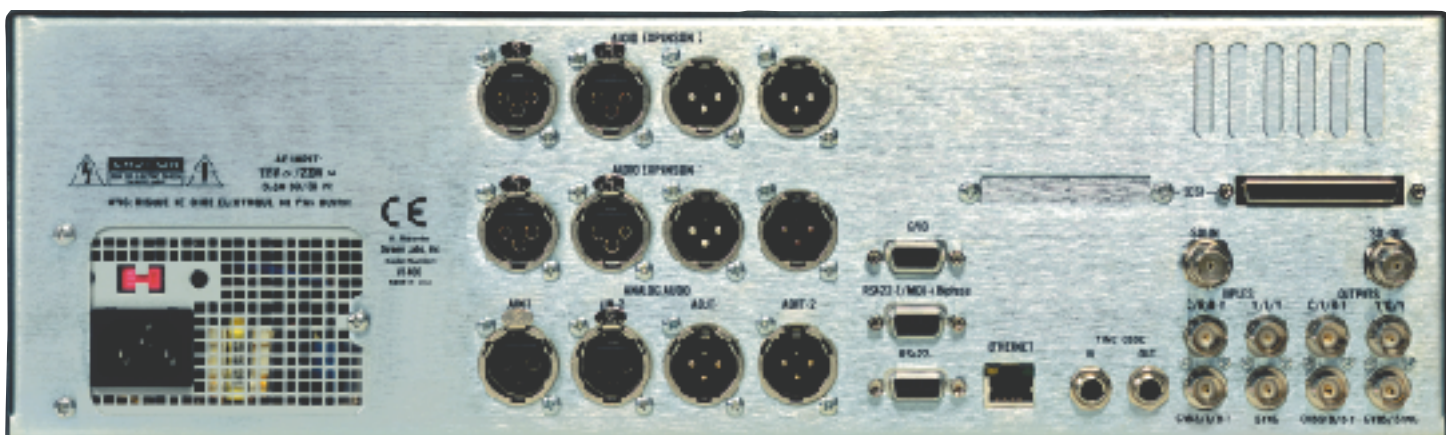
Also available in a lower price black front panel design

## V1 and V1d

The V1 and V1d are housed in a 3U rack mount chassis with front panel controls and two removable drive bays behind an optional video LCD monitor. S-Video and composite video and 2 channels of audio are standard. The V1d adds digital component video (SDI) and RGB/YUV video. Two audio expansion slots are available.

## V1x2

Features 2 video channels in a 3U rack mount chassis for multi-channel video applications such as video walls, slow motion replay and as a multi-camera video assist recorder. Standard features include S-Video, composite video and two audio channels. The V1x2 front panel controls provides control for both channels. SDI and RGB/YUV video are optional.



## SPECIFICATIONS

### COMPRESSION:

Motion JPEG (2:1 – 34:1 selectable compression ratios)

### VIDEO INTERFACE:

#### Composite Video I/O:

NTSC/PAL, 1Vpp, 75 ohm, BNC

#### S-Video I/O:

Y/C, 1Vpp, 75 ohm, 2 x BNC

#### Component Video I/O (Optional):

RGB/YUV, 700mVpp, 75 ohm, 3 x BNC

#### Serial Digital Component Video I/O (Optional):

270Mbit/sec (SDI-SMPTE 259M) 800mVpp, 75 ohm, BNC

#### Video Sync Input

### AUDIO INTERFACE:

**Analog Audio I/O:** 2 Channels, up to 6 channels (optional), electronically balanced @ +4dB into 600 ohm, XLR (24-bit A/D & D/A, 48kHz sampling - uncompressed)

**AES/EBU Digital Audio I/O (optional):** up to 8 channels, balanced 10Vpp, 110 ohm, XLR

**Embedded Audio I/O (SDI Optional):** up to 8 channels

### CONTROL INTERFACE:

**Ethernet:** 100baseT

**Time Code I/O:** LTC, electronically balanced +4dB into 600 ohm, ¼" jack, VITC read from video input, VITC out, D-VITC (SDI option)

**Serial Control inputs:** 2 RS-422 using Sony 9-pin, Odetics, Louth, Pioneer DVD protocols, DB-9

**GPI:** 3 in, 3 out

**Bi-Phase:** Bi-Phase input, DB-9

**H Adjustment:** -799 to +799 (37ns steps)

**Sub-carrier phase adjustment:** 0 to 359 degrees

**Power:** 110/115/230/240 VAC, +/- 10%, 50/60 Hz, 85 Watts

**Operating Temperature Range:** +10° to +40° C, with rated performance

**Dimensions:** 3RU - 5.25"H x 17"W x 15.25"D

**Storage Media:** SCSI-equipped fixed/ removable internal hard drives, DVD-RAM and Magneto-optical drives.

**External Storage:** via SCSI, or V1 Server.

**Video Monitor:** LCD – front panel mounted (optional)

Specifications subject to change without notice. Some specifications and features listed are only available as part of specific packages or options.