



DCT SERIES

VIDEO DISK RECORDERS



The V1 is a high quality disk recorder that records and plays back video using internal removable hard drives. Due to its familiar controls and operation, the V1 can function as an instant replacement for a video tape recorder of any format. It has the advantage of locating immediately to any position on the drive, providing instant access to the video. It is frame accurate and can be controlled via RS-422 or Ethernet using the popular Sony P2 protocol.

The V1 records one video channel, up to 8 audio channels and time code (VITC and LTC). The video data is compressed using DCT compression and recorded along with the audio and the time code address onto the hard drive.

Doremi Labs is a leader in digital disk recording technology. The V1's full feature set and proven reliability have prompted its integration into many diverse environments. With thousands of installations worldwide, this essentially maintenance free product has continuously proven itself as the most functional and cost effective solution in the market today.

APPLICATIONS

Drop-in Replacement for any Format Tape Recorder

Video Production and Post Production

Playback for Video Projectors and Displays

Audio-Post Video Companion

Video Assist Recorder

FEATURES

- Easy to use, familiar interface
- Instant access to video
- Records video with high quality DCT compression up to 2:1
- Create video clips, loops and playlists
- Record on up to two removable SCSI drives
- SDI, YUV, S-Video and composite video inputs and outputs
- 2 channels of analog audio and 8 channels embedded on SDI
- 6 analog audio and 8 digital audio channels (option)
- Frame accurate control via RS-422 using standard control protocols
- Ethernet port for remote control and firmware upgrades
- Front panel video monitoring LCD screen (option)
- **Dual Video Channels with the V1x2**





DCT SERIES VIDEO DISK RECORDERS

V1m-400

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 SDI, YUV, S-Video and composite video and two audio channels. One audio expansion slot is available.



RCV2 Remote Control



V1-402



The V1-402 is housed in a 3U rack mount chassis with front panel controls and two removable drive bays behind an optional video LCD monitor. SDI, YUV, S-Video and composite video and 2 channels of audio are standard. Two audio expansion slots are available.

V1x2 - Two Video Channels

The V1x2 features two video channels in a 3U rack mount chassis for multi-channel applications such as video walls, video and key channel recording, logo insertion and as a multi-camera video assist recorder. Standard features include SDI, YUV, S-Video, composite video and two audio channels. The V1x2 front panel provides control for both channels.



V1x2 rear panel with the dual-redundant power supply option:



(V1 rear panel shown with audio options installed)

SPECIFICATIONS

VIDEO COMPRESSION

DCT Compression (2:1 – 34:1 selectable compression ratios)

VIDEO INTERFACE

Composite Video I/O: NTSC/PAL, 1Vpp, 75 ohm
S-Video I/O: Y/C, 1Vpp, 75 ohm
Component Video I/O: RGB/YUV, 700mVpp, 75 ohm
Serial Digital Component Video I/O: 270Mbit/sec (SDI-SMPTE 259M) 800mVpp, 75 ohm, BNC
Video Sync Input

AUDIO INTERFACE

Analog Audio I/O: 2 Channels, up to 6 channels (option), electronically balanced @ +4dB into 600 ohm, XLR (24-bit A/D & D/A, 48kHz sampling - uncompressed)
AES/EBU Digital Audio I/O (option): up to 8 channels, balanced 10Vpp, 110 ohm, XLR
Embedded Audio I/O: up to 8 channels

CONTROL INTERFACE

Ethernet: 100baseT
Time Code I/O: LTC, electronically balanced +4dB into 600 ohm, 1/4" jack, VITC read from video input, VITC out, D-VITC)
Serial Control inputs: 2 RS-422 using Sony 9-pin, Odetics, VDCP (Louth), Pioneer DVD protocols, DB-9
GPI: 3 in, 3 out (option)
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
Dual Redundant Power Supply (option)

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
External Storage: via Doremi's external RAID5 Chassis
Video Monitor: LCD – front panel mounted (option)

Doremi Labs, Inc. Headquarters Burbank, California USA - tel 1 818 562 1101 - www.doremilabs.com

Doremi Labs, Europe Sophia Antipolis, France - tel +33 (0)492 952 830 - www.doremilabs.fr

Doremi Labs, Japan Tokyo, Japan - tel +81 3 3327 5735 - www.doremilabs.jp

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