

V1 UHD

High Definition Uncompressed Disk Recorder



The V1-UHD offers the superior resolution of high definition video in a compact full featured disk recorder. Instant access to video, uncompressed recording and networkable operation make the V1-UHD the ideal multi-format recorder. The V1-UHD is only three rack units high and is available with fixed or hot swappable internal drives. For feature length recording the V1-UHD is provided with an external video storage unit.

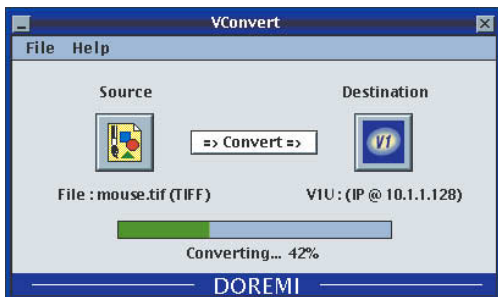
The V1-UHD records high definition serial digital video (HD-SDI). Standard definition SDI recording is also available as an option. Frame accurate control via RS-422 make the V1-UHD a drop-in replacement for any HD video tape recorder. The available Gigabit Ethernet interface is ideal for fast network transfer of still image and movie files to graphics and editing workstations.

Doremi Labs is a leader in digital disk recording technology for broadcast, production and post production. 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 line has continuously proven itself as the most functional and cost effective solution in the market today.

- 1 Easy to use, familiar interface
- 1 HD uncompressed recording (Standard Definition is optional)
- 1 Locate and play video clips instantaneously
- 1 Create and name video clips and play lists
- 1 Record frame accurate video, audio and time code
- 1 Transfer still image and movie files to and from the V1-UHD
- 1 Fast Gigabit Ethernet file transfers (optional)
- 1 Film Mode with 3:2 addition and 24p to 25 frame conversion
- 1 Embedded audio on SDI, analog audio and optional multi-track AES/EBU
- 1 Control via RS-422 or TCP/IP over Ethernet
- 1 Front panel video monitoring LCD screen (optional)

APPLICATIONS

- 1 HD mastering and post production
- 1 Drop-in replacement for any HD video tape recorder
- 1 Video recorder for computer animation and effects
- 1 Playback device for video projectors and displays
- 1 Multi-format cache for telecine transfer
- 1 Broadcast server for high definition programs



VConvert Software Utility

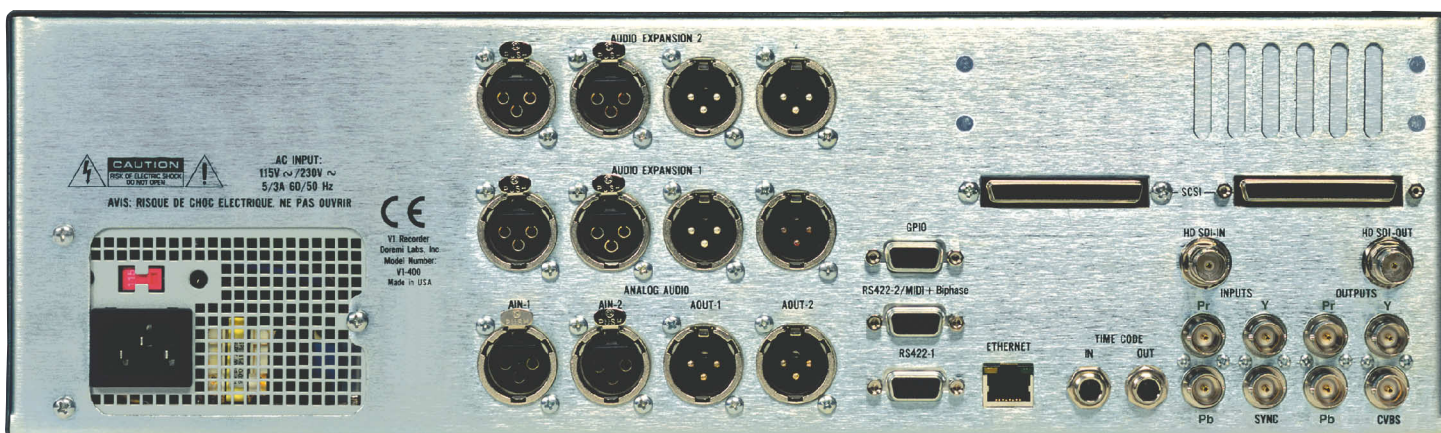
VConvert software transfers popular still image and movie files to and from the V1-UHD via 100BaseT Ethernet or the optional Gigabit Ethernet. Transfer the video recorded on the V1-UHD to your workstation to create a movie file such as QuickTime™, edit the video and then transfer back into the V1-UHD. The V1-UHD can also function as a video recorder for computer animation. Individual graphic animation files are rendered to disk and then transferred to the V1-UHD using VConvert. The V1-UHD will then playback the video sequence in real time. Its 10 bit uncompressed recording mode ensures the highest quality video.

Film Mode & 24p Production

The V1-UHD is particularly useful in a 24p production and mastering environment. Besides the ability to record and playback flawless uncompressed 24p video, the V1-UHD features a film mode that can add a 3:2 sequence and can also transfer 24 frames per second material to PAL's 25 frame speed.

File Transfer & Remote Operation

Video files can be transferred from a workstation to and from the V1-UHD via 100BaseT Ethernet or optional Gigabit Ethernet. Remote operation of the V1-UHD is via two RS-422 ports (Sony 9-pin protocol) and 100BaseT Ethernet. The V1-UHD can be assigned its own IP address for access by any workstation on the network. Machine control and clip creation and management software are provided.



SPECIFICATIONS

FORMATS SUPPORTED: 720p, 1080i (50Hz and 60 Hz), 1080p (24, 25, 30 fps), segmented frame (sf)
625 and 525 recording available as an option

VIDEO INTERFACE:

10-bit or 8-bit uncompressed digital video recording
HD Serial Digital Interface I/O:
 1.5Gbit/sec (SMPTE 292M, 296M and 274M)
 800mVpp +/- 10%, 75 ohm, BNC
Serial Digital Component Video I/O (Optional):
 270Mbit/sec (SDI-SMPTE 259M) 800mVpp, 75 ohm, BNC
Analog Component Video I/O:
 Y Pb Pr Tri Level Sync, 3 x BNC
Composite Video Output
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 on SDI I/O: up to 8 channels

CONTROL INTERFACE:

Ethernet: 100baseT, Gigabit Ethernet (optional)
Time Code I/O: LTC, electronically balanced +4dB into 600 ohm, ¼" jack, VITC read from video input, VITC out, D-VITC
Serial Control inputs: 2 RS-422 using Sony 9-pin, Odetics, Louth-VDPC, Pioneer DVD protocols, DB-9
GPI: 3 in, 3 out
Bi-Phase: Bi-Phase input, DB-9

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
External Storage: via SCSI or Fibre Channel
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.