



The newest V1-UHDv2 offers the superior resolution of High Definition in a compact full-featured disk recorder. Instant access to video, uncompressed recording and networkable operation make the V1-UHDv2 the ideal multi-format recorder. The V1-UHDv2 records High Definition and Standard Definition serial digital video (SDI) onto an internal or external drive RAID. Frame accurate control via RS-422 makes the V1-UHDv2 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.

FEATURES

- Record uncompressed High & Standard Definition video
- Instant access to the recorded video, audio and time code
- **NEW** Record multiple SD & HD formats on same disks using MFS
- Create video clips, loops and playlists from the front panel
- Frame accurate control via RS-422 using standard control protocols
- Smooth fast and slow-motion playback
- **NEW** Fast Gigabit Ethernet file transfers (option)
- Transfer still image and movie files to and from the V1-UHDv2
- **NEW** Recording Size Efficient 4:1:1 mode (25% space savings)
- Up to 6 channels analog and 8 channels digital audio
- Front panel video monitoring LCD screen (L version)
- **NEW** Dual channel (3D) & simul. record + play operation using 4:1:1 mode
- **NEW** Dual link HD-SDI for RGB 4:4:4 or Fill & Key 4:2:2:4 applications

APPLICATIONS

- Drop-in replacement for any HD video tape recorder
- HD mastering and post production
- Uncompressed RGB 4:4:4 recorder for D-Cine camera
- Playback device for video projectors and displays
- Video recorder for computer animation and effects
- Multi-format cache for telecine transfer
- Broadcast server for high definition programs
- Sports slow motion & broadcast time delay

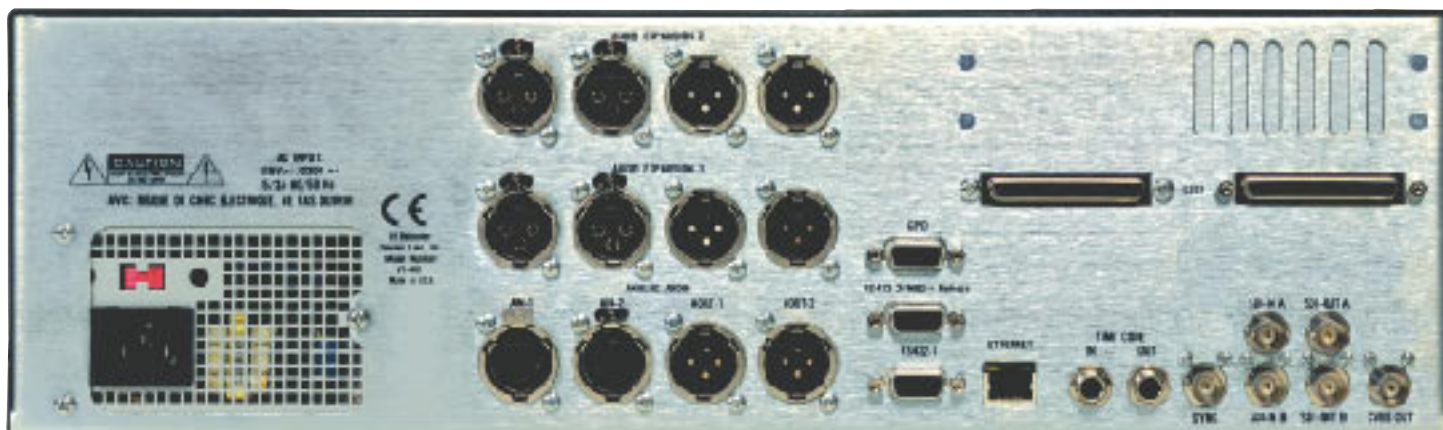
Modes of Operation

- The V1-UHDv2 provides the operator with five different uncompressed recording modes described below:
 - New...4:1:1** Provides good video quality and maximizes available storage space. Ideal for broadcast and video projection
 - 4:2:2** Excellent quality video recording. Conforms to SMPTE-292M for uncompressed HD
 - New...4:4:4** Highest quality video recording via dual-link HD-SDI (SMPTE-372M). Ideal for computer graphics & 4:4:4 cameras
 - New...4:1:1 + 4:1:1** Record two different HD-SDI/SDI feeds simultaneously. Ideal for 3D and stereoscopic applications
 - New...4:2:2:4** Record video and key channel. Ideal for broadcast and computer graphics applications
- The V1-UHDv2 provides a wealth of options for Local and Remote Operation
 - RS-422** Sony serial 9-pin protocol and VDCP (Louth), Odetics, Pioneer DVD Protocols
 - Ethernet** Assign the V1-UHDv2 a unique IP address for remote control via Doremi's software utilities
 - Front Panel** The easy to use front panel provides familiar VTR like controls and the ability to create video clips and playlists



VConvert Software Utility

VConvert software transfers popular still image and movie files to and from the V1-UHDv2 via 100BT Ethernet or the optional Gigabit Ethernet. Transfer the video recorded on the V1-UHDv2 to your workstation to create a movie file such as QuickTime™, edit the video and then transfer back into the V1-UHDv2. The V1-UHDv2 can also function as a video recorder for computer animation. Individual graphic animation files, such as TIFF, are rendered to disk and then transferred to V1-UHDv2 using VConvert. The V1-UHDv2 will then playback the video sequence in real time. Third party plug-ins are also available for rendering direct to the V1-UHDv2 (Ask for **Diaquest** Plug-in for Photoshop & After Effects).



(rear panel shown with some optional features)

SPECIFICATIONS

FORMATS SUPPORTED: 480p, 720p, 1080i (50, 60 Hz)
1080p (23.97, 24, 25, 29.94, 30 fps), segmented frame (sf),
625 (50Hz) and 525 (60Hz)

VIDEO INTERFACE:

10-bit or 8-bit uncompressed digital video recording
Two Serial Digital Interface I/O:
 1.5Gbit/sec (SMPTE 292M, 296M, 372M)
 800mVpp +/- 10%, 75 ohm, BNC
 270Mbit/sec (SDI-SMPTE 259M) 800mVpp, 75 ohm, BNC
Composite Video Output
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 on SDI I/O: up to 8 channels

CONTROL INTERFACE:

Ethernet: 100BaseT, Gigabit Ethernet (option)
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,
VDCP (Louth), Pioneer DVD protocols, DB-9
GPI: 3 in, 3 out (option)
Bi-Phase: Bi-Phase input, DB-9

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: Internal Shock Mounted Raid 0 array of 4x drives

External Storage: Via dual-SCSI, 8 slots (2U) in Raid 0 or Raid 5

Video Monitor: LCD - front panel mounted (L version)

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