

## STANDARD FEATURES

### Easy as 1-2-3

1. Record and review your material on the spot
2. Remove drive for post production
3. Go to your next shoot

- Instant on-site playback for fast video clip review
- Touch screen control
- RS-232 machine control
- Records JPEG2000.mov files in HD or SD
- 100 Mbit/s data rate per channel
- 4:2:2 sampling
- 10 bit quantization
- 8 embedded audio channels per HD video channel
- 4 embedded audio channels per SD video channel
- 2 channels balanced analog audio per video channel
- Genlock input
- SMPTE/EBU longitudinal time code
- Discrete access to every frame
- Uses 2.5" SATA HDD or SSD drive
- Loop record feature
- Instant cueing and clip recall
- Clip naming
- Variable speed noise-free playback forward and reverse
- Dual channel configuration supports 2 HD monitors



Highly versatile and affordable, the HD3 hard case is a compact, all-in-one system perfect for any video production application.

Instantly view recorded material from a standard 2.5" drive on the integral HD monitor. You'll be able to tell instantly if the shot was right on the mark. Save time, save money.

No Bulky Equipment to Carry – Compact and durable hard case.

Complete System DVR – Includes DVR, controller and HD monitor

Highest Image Quality Available - Utilizes JPEG 2000 compression.

Versatile - Available in single or dual channel.

Affordable - Provides a complete solution at low per channel cost.

No hard-to-find proprietary media - Uses industry standard removable 2.5" drives and incorporates a USB located on the drive enclosure.

Delivers high quality HD images and the random access non-linear benefits of solid state or hard disk drives.



# Specifications

## VIDEO INPUT/OUTPUT

Digital Input/Output: SD/HD-SDI  
Standards: SMPTE 274M (1080i)  
SMPTE 296M (720p)  
SMPTE 347M (NTSC & PAL)  
SMPTE 334M-1 (closed caption)  
SMPTE 334M-2 (closed caption)  
SMPTE RP188 (ancillary time code)

Genlock Input: 60 Hz: Blackburst SMPTE 170 M;  
50 Hz: ITU-R BT.470; 75 ohm

Supported Resolutions: 1080i/60/59.94/50  
(1920 x 1080/60/59.94/50/2:1 Interlace)  
1080PsF/23.98/24.00  
1080p/25 (set video format to 1080i/50)  
720p/60/59.94/50  
(1280 x 720/60/59.94/50/Progressive)  
720p/23.98/24.00  
NTSC (720 x 486/59.94/2:1 Interlace)  
PAL (720 x 576/50/2:1 Interlace)  
Supports 4:3 or 16:9 aspect ratio

Connections: BNC 75 ohms

## DIGITAL AUDIO INPUT/OUTPUT

Digital Input/Output: 8 Channels embedded HD-SDI  
4 Channels embedded SD-SDI  
Connections: BNC connectors unbalanced

## DIGITAL AUDIO SPECIFICATIONS

Resolution: 24 bits  
Audio Channels: HD embedded 8 in/8 out  
SD embedded 4 in/4 out  
Sampling Rate: 48 KHz

## ANALOG AUDIO INPUT/OUTPUT

Analog Input/Output: Stereo Balanced  
Connections: XLR Connectors

## ANALOG AUDIO SPECIFICATIONS

Resolution: 16 bits  
Audio Channels: 2 in 2 out (per video channel)  
Dynamic Range: 80 dB  
Harmonic Distortion: 022%, -73dB  
Output Impedance: 600 ohms  
Sampling Rate: 48 KHz  
Passband: .045 FS  
Passband Ripple: +/- 0.1 dB

## COMMUNICATION INTERFACE

RS-232 Interface: Conforms to Sony Remote-1 (9 pin) protocol - 38400 baud, 8 data bits, odd parity, 1 stop bit 38400 baud - Sony Remote-1 (9 pin) Odetics 2.0)

## HARD DRIVES

Maximum Hard Drives: 1 per channel  
Supported Hard Drive: 2.5" SATA HDD or SSD Drive  
Enclosure: Supports 9.5mm drive height  
Preferred SATA Drive: Hitachi Cinema Star 2.5" - C5K320 (120GB)  
Acceptable SATA Drive: Hitachi Enhanced 2.5" - 0A55263 (120,250,320GB)  
SSD Drive: Super Talent and RiData

## TIME CODE

SMPTE/EBU Longitudinal (LTC)

## VIDEO COMPRESSION

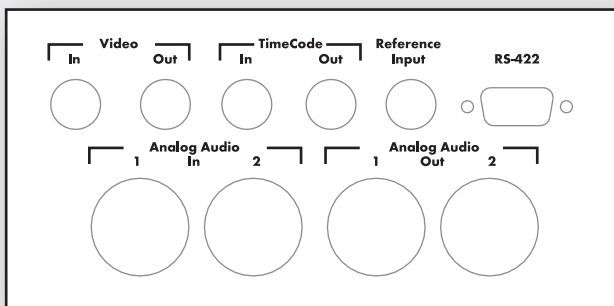
Method: Motion JPEG2000  
Maximum Bit Rate: HD:100Mbit/s  
SD: 50 Mbit/s

## GENERAL

Physical Dimensions: 13.37" x 11.62" x 6.00" (Single CH)  
13.8" x 12.1" x 6.8" (Dual CH)  
Power Supply: 12V XLR Connector  
Power Consumption: 75 Watts  
Operating Temperature: 0c to 50c  
Humidity: 90% relative humidity with no visible condensation

## WARRANTY

1 Year



(Single channel shown)

Specifications subject to change



**Fast Forward Video**

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