

## Rugged Portable HD/SD-SDI J2K File-based Recorder and Player

### FEATURES

- Useful front panel video display with menu overlay
- Familiar tape deck-like direct control & jog buttons
- Clean variable speed playback in any direction
- Front panel playlist and clip management
- Visually loss less JPEG2000.mov files
- Uses standard 2.5" SATA Hard Disk or Solid State drives
- HD/SD-SDI input & output
- Record & playback critical ancillary data like CC708
- 8 Channels of embedded audio in HD
- Stereo analog audio on XLR3
- Genlockable
- SMPTE/EBU Longitudinal & Ancillary Time Code
- RS-422 serial machine control
- Fanless & Water Resistant
- AC & DC powered



Fast Forward Video introduces the Omega HD FIELD PRO, a rugged file-based J2K Field Recorder/Player that simplifies the transition from traditional tape decks to file-based workflows. The FIELD PRO's professional video & audio connections and familiar VTR-style front panel controls - including a video confidence monitor - ensure the highest quality field production recording. And, thanks to our patented file access system, we guarantee a usable recording - every time, with no corrupted files! Since 1986, Fast Forward Video has been at the forefront of broadcast quality tapeless digital video recording. See for yourself what makes our recorder/players so exceptional and request a demo of the new Omega HD FIELD PRO.

**VIDEO INPUT/OUTPUT**

Digital Input/Output: SD/HD-SDI  
Standards: SMPTE 274M (1080i)  
SMPTE 296M (720p)  
SMPTE 347M (NTSC & PAL)  
SMPTE 12M-2-2008 (ancillary time code)  
Closed Caption CEA-608 & CEA-708 support

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

Supported Resolutions: 1080i/60/59.94/50/24  
(1920 x 1080/60/59.94/50/2:1 Interlace)  
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

**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-3 Connectors

**ANALOG AUDIO SPECIFICATIONS**

Resolution: 16 bits  
Audio Channels: 2 in 2 out (per video channel)  
Dynamic Range: 80 dB  
Harmonic Distortion: 0.22%, -73dB  
Output Impedance: 600 ohms  
Sampling Rate: 48 KHz  
Passband: .045 FS  
Passband Ripple: +/- 0.1 dB

**COMMUNICATION INTERFACE**

RS-422 Interface: 38400 baud  
Protocols: Sony Remote 9 Pin  
Odetics

**REMOVABLE STORAGE**

Supported Drives: 2.5" SATA HDD or SSD Drives

**TIME CODE**

SMPTE/EBU  
Longitudinal (LTC)  
Ancillary (ATC) SMPTE 12M-2 2008

**CODEC**

Method: Motion JPEG2000 (J2K)  
File Format: QuickTime or Native  
Bit Rate:s: HD:100Mbit/s  
SD: 50 Mbit/s

**GENERAL**

Physical Dimensions: 3.5"H x 8.5"W x 15"D  
Half Rack 2RU

Power : 100-240 VAC 50/60Hz  
12 VDC @10A

Operating Temperature: 0c to 50c  
Humidity: 90% relative humidity with no  
visible condensation

**WARRANTY**

1 Year Parts & Labor



Specifications subject to change without prior notice.

