

FEATURES

- Simultaneous Playback and Record (SPR)
One channel in, one channel out
- Front panel touch screen control
- Record in HD or SD
- Data Rates up to 100 Mbit/s
- 4:2:2 sampling
- 10 bit precision
- 8 Embedded audio channels per HD video channel
- 4 Embedded audio channels per SD video channel
- Up to 4 channels AES audio per video channel
- SD/HD-SDI 50/59.94 FPS Support
- RS-422 machine control
- Conforms to industry digital specification;
SMPTE 259M-C and SMPTE 292(HD-SDI)
- SMPTE/EBU Longitudinal & Ancillary Time Code
- Discrete access to every frame
- Uses one 2.5" SATA Solid State Drive (SSD)
- Instant cueing and clip recall
- Playlist management and clip naming from the front panel
- Dynamic tracking
- Variable speed noise-free playback in forward and reverse
- Records JPEG2000.mov file in HD or SD
- Optional Genlock input



The Fast Forward Video OMEGA Essential SPR is an HD/SD broadcast quality Tapeless Digital Video Recorder. It delivers impeccable HD images using exceptional quality JPEG2000 compression to save disk space while giving you random access and non-linear benefits of solid-state disk media.

This Simultaneous Playback and Record (SPR) configuration allows you to replay slow motion clips while still recording the action without missing a thing. Recording times vary according to disk size.

The Omega Essential SPR is the ideal solution for Worship broadcast delay, Slow-Motion sports recall, and event staging applications.

VIDEO INPUT/OUTPUT

Digital Input/Output:
Standards: SD/HD-SDI
SMPTE 274M (1080i)
SMPTE 296M (720p)
SMPTE 347M (NTSC & PAL)
SMPTE 334M-1 (closed caption)
SMPTE 334M-2 (closed caption)
SMPTE 12M-2-2008 (ancillary time code)

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
4 Channels embedded SD-SDI
4 Channels AES
Connections: BNC connectors unbalanced

DIGITAL AUDIO SPECIFICATIONS

Resolution: 24 bits
Audio Channels: HD embedded 8 in/8 out
SD embedded 4 in/4 out
4 Channels AES/EBU
(these replace embedded channels 1-4)
Sampling Rate: 48 KHz

COMMUNICATION INTERFACE

RS-422 Interface: 38400 baud
Protocols: Sony Remote -1 (9 Pin)
Odetics
Fast Forward Video Native

TIME CODE

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

VIDEO COMPRESSION

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

GENERAL

Physical Dimensions: 3.5"H x 17"W x 15"D
2RU
Power Consumption: 125 Watts
Operating Temperature: 0c to 50c
Humidity: 90% relative humidity with no visible condensation

WARRANTY

1 Year Parts & Labor



Fast Forward Video

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