

Compact HD Replay & Time-Shift System

FFV introduces the Omega HD; STUDIO PRO REPLAY a compact Replay & Time-Shift digital video recorder. The STUDIO PRO REPLAY's professional video & audio connections and familiar VTR-style front panel controls - including a video confidence monitor - ensure the highest quality digital recording. And, thanks to its 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. This new system allows you to replay slow motion clips while still recording the action without missing a thing. The STUDIO PRO REPLAY is the ideal solution for broadcast delay, Slow-Motion sports replay, and event time-shift applications.

FEATURES

- Simultaneous Playback and Record (SPR)
- User Selectable Time-Shift period
- 2RU Half Rack Form Factor
- Two units fit in a 2RU Rack mount space
- Useful front panel video display with menu overlay
- Familiar tape deck-like direct control & jog buttons
- Clean variable speed playback in any direction
- Reliable and Visually lossless JPEG2000.mov files
- Uses standard 2.5" SATA 9.5 mm Solid State Drives
- HD/SD-SDI input & output
- Record & playback critical ancillary data like CEA-708
- 8 Channels of embedded audio in HD
- Stereo analog audio on XLR3
- Genlockable
- SMPTE/EBU Longitudinal & Ancillary Time Code
- RS-422 serial machine control



Prototype picture: actual production unit may vary.

VIDEO INPUT/OUTPUT

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

Ancillary Data Support: Rec/Playback & Pause 4 lines of ancillary data including Closed Caption CEA-608 & CEA-708 Supports lines 8, 9, 10 & 11 interlaced or progressive

Genlock Input: 525i59.94 Hz: Black burst SMPTE 170 M
625i50 Hz: ITU-R BT.470 at 75 ohms

Supported Resolutions: 1080i59.94/50/24
(1920 x 1080/59.94/50/2:1 Interlace)
720p59.94/50
(1280 x 720p59.94/50/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
BNC 75 ohms

Connections:

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: XLR3 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 Solid State Drives: 3Gb/s Interface 2.5" SATA 9.5 mm

TIME CODE

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

CODEC

Method: Motion JPEG2000 (J2K)
File Format: QuickTime or Native
Bit Rates: 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

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

WARRANTY

1 Year Parts & Labor



Preliminary Spec Sheet:
Specifications subject to change without prior notice.
Prototype pictured, actual production unit may vary.



Two Replay units fit in a 19 inch 2RU rack space.

FFV
Fast Forward Video

FFV:2/11/165 MP