



STANDARD FEATURES

- Camera back mount or standalone DVR
- Gold Mount & V-mount
- J2K compression
- Discrete access to every frame
- Record/Playback in HD
- 100 Mbit/s data rate
- 10 bit quantization
- 4:2:2 sampling
- 8 embedded audio channels
- SMPTE 259M-C and SMPTE 292 (HD-SDI)
- 2.5" hot swappable SATA drive with USB connection
- Loop record feature
- Instant cueing, clip recall
- Time code input
- External Trigger Input
- Optional RS-422 control



Elite HD is the first camera-mounted digital video recorder and player to harness the J2K compression codec for recording HD-SDI video signals. The Elite HD gives broadcasters a powerful new option for recording high-quality video from any camera that provides an HD-SDI output at 1080i or 720p while simultaneously increasing record times, reducing recording media costs and streamlining workflow.

While other onboard camcorder recording systems use high cost proprietary media and record using traditional MPEG based compression systems, the Elite HD is able to capture the full potential of the camera by recording the camera's HD-SDI output using near lossless J2K compression. Designed to mount on the back of a video camera or used as a standalone DVR, the Elite HD accepts up to eight channels of embedded audio and records at data rates of 100 Mbit/s. Video is recorded to a standard 2.5" hot swappable SATA drive, which can provide up to 10 times more storage than onboard systems.

FV:03/20/09EHD

Fast Forward Video

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A DVR Technology Company



Specifications

VIDEO INPUT/OUTPUT

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

Supported Resolutions: 1080i/60/59.94/50/24 pfs
(1920 x 1080/60/59.94/50/2:1
Interlace)
1080s/23.98/24.00
720p/60/59.94/50
(1280 x 720/60/59.94/50/Progressive)
720p/23.98/24.00

Connections: BNC 75 ohms

AUDIO INPUT/OUTPUT

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

AUDIO SPECIFICATIONS

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

TRIGGER 3.5mm stereo audio jack

COMMUNICATION INTERFACE

RS-232 Software update connection
RS-422 (optional) Machine Control (replaces RS-232)
USB Port: 2.0 (drive enclosure)

HARD DRIVE

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

TIME CODE

SMTE/EBU Longitudinal (LTC)

VIDEO COMPRESSION

Method: Motion JPEG2000
Bit Rate: HD:100Mbit/s

GENERAL

Physical Dimensions: 4.625"H x 8" W x 2" D
Weight: 2.6 lbs
Power Consumption: 10.8W
Operating Temperature: 0c to 50c
Humidity: 90% relative humidity with no visible condensation
Power Connection XLR-4M

WARRANTY 1 Year



Specifications subject to change



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