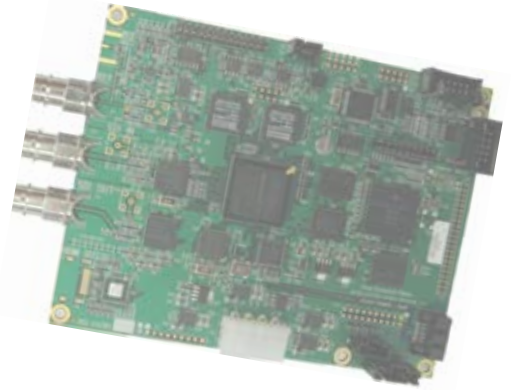




FEATURES

- JPEG 2000 compression
- Records in HD or SD
- Auto detect of SD/HD 50/59.94 FPS
- Data rates up to 100 Mbit/s
- 4:2:2 sampling
- 10 bit resolution
- Easy RS-422 machine control
- 8 embedded audio channels for HD
- 4 embedded audio channels for SD
- Up to 4 channels AES or 2 channels analog audio
- SMPTE/EBU longitudinal & ancillary Time Code
- Loop record feature
- Instant cueing and clip recall



The Q HD is a board level high definition digital video recorder based on JPEG 2000 compression. With its broadcast level image quality and near lossless JPEG 2000 compression, it is ideal for high definition recording applications that demand only the very best image quality including: high end surveillance, law enforcement, military and medical.

APPLICATIONS

- OEM
- In Vehicle
- Remote / Portable
- Airborne

Q HD is designed with the same cutting-edge digital video recorder technology used in the Omega HD. It provides outstanding image quality at 1080i and 720p, records at data rates up to 100 Mbit/s, offers 4:2:2 sampling and full 10 bit resolution.

MARKETS

- Military / Intelligence
- Law Enforcement
- Medical
- Surveillance

With HD-SDI I/O capabilities the Q HD also features RS-422 control using Sony, Odetics and FFV serial protocol and an extensive menu of control and configuration options. Q HD is versatile enough to satisfy a variety of demanding DVR applications.

FV03/04/2013MP



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
(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: 75 ohms coaxial / SMB or BNC

AUDIO INPUT/OUTPUT

Digital Input/Output: 8 Channels embedded HD-SDI
4 Channels embedded SD-SDI

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

Specifications subject to change without prior notice.

HARD DRIVES

Supported Hard Drive: 2.5" SATA HDD or SSD Drive

TIME CODE

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

VIDEO COMPRESSION

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

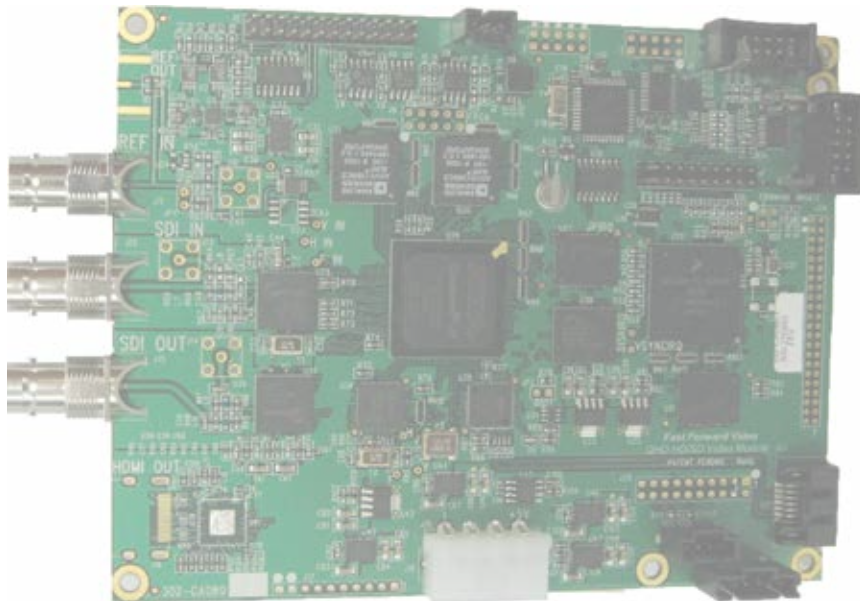
GENERAL

Physical Dimensions: 0.75"H x 4.5"W x 5.75"D

Power Consumption: 10 Watts (PCB without Drive)
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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