HDM500e

Decoder Boards

High definition MPEG-1-2 decoder

■ DESIGNED FOR DEVELOPERS

The HDM500e delivers true broadcast quality performance to applications requiring High-Definition. It offers outputs and features to match the needs of the most demanding professional installations. The HDM500e decodes up to MP@HL (4:2:0) with bitrates up to 80 Mbps, 1920x1080i, 1280x720p, 720x576p, 720x576i, 720x480p or 720x480i. It provides continuous, frame-accurate, seamless back-to-back playback of all standard MPEG-2 streams. All decoding takes place in hardware.

The board has 3 video outputs for maximum flexibility: SDI (SMPTE292M), DVI and analog YPbPr. It decodes 12 embedded audio channels in addition to outputs for AES3 digital audio and unbalanced analog audio.

The HDM500e provides machine control via remote connector and can be configured as either "Controller" or "Device". Linear Time Code (LTC) output is provided based on stream time codes or synthesized by the API.

The Developer Kit (SDK/API) makes integrating the HDM500e into video systems fast and easy. It gives applications complete control over all HDM500e functions. The SDK/API allows software written for the HDM500e to be used with any other current model Stradis decoder product. The SDK/API supports multiple HDM500e decoders in a single computer with synchronized playback across all cards.

■ KEY BENEFITS

• **Outputs**

Video:
- Digital & Analog video Outputs
- NTSC & PAL
Audio:
- Embedded audio channels
- Digital & Analog Audio Outputs.

• **Cost Effective**

SDK Architecture dramatically reduces time to market

• **MPEG Streams**

MPEG-1
MPEG-2 (4:2:0)
Decodes up to 80Mbps

TECHNICAL SPECIFICATIONS

Supported Formats		
Video Formats	NTSC / PAL
Picture Size	HD
Chroma Sampling Format	4:2:0
Color Standards	HD
Maximum Video Bit Rate	80 Mbps

Video Outputs		
Video Outputs: Digital	HD-SDI / DVI
Video Outputs: Analog	YPbPr

Audio Outputs		
Embedded Audio Channel	12
Audio Outputs: Digital	AES3 (6)
Audio Outputs: Analog	Unbalanced (2) / Unbalanced (CDROM Style) (2)

Advanced Features		
RS-422 control	Yes
Linear Time Code Output	Yes
Genlock/Reference Input	Yes
Vertical Interval Time Code	Yes
Video Adjustments	Yes
PCI-Bus Interface	Yes
CE Marked	Yes
RoHS Compiant	Yes

Developers Resources		
Operating Systems	Vista / XP / 2000
Development Kits	SDK/API / Accessories

Minimum Configuration	> P3 - 800 MHz, 512 MB RAM
Recommended Configuration	> P4 - 2 GHz, 512 MB RAM

PCI compliance	PCI

Dimensions of the board	174.63 x 106.68 mm (6.875" x 4.2")

Power consumption	8.4 W