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DIGITAL VIDEO EXPERTS

Harmony 4ES

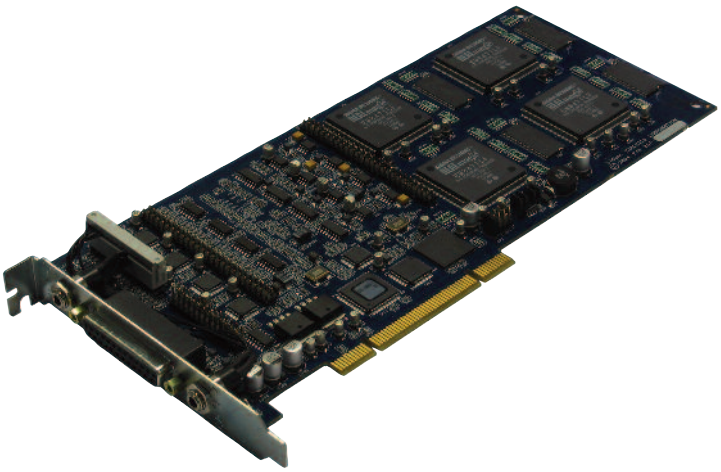
Multi-Channel Decoder

Standard definition MPEG-1-2 decoder

DESIGNED FOR DEVELOPERS

Ideal for demanding, industrial-strength multimedia applications, Harmony 4ES PCI board provides robust, multi-channel MPEG-2 decoding. With high-quality, 256-color on-screen display, the board enables you to overlay graphics or text on video footage with varying levels of transparency and composite. And with genlocked AV input, you can smoothly switch between live video and MPEG files.

It offers a wide range of scalable and adaptable features, including NTSC/PAL transcoding and AC-3 output, making it ideal for looping, scheduled, or on-demand video applications. With a proven track record of reliability and unparalleled performance, the board is perfect for video professionals who want peak performance and ease of integration.



Sample source code and function calls are included to accelerate the development of advanced digital video playback applications.

Featuring four independent output channels for YPbPr, RGB, S-video, or Composite output, and AC-3 audio, the Harmony 4ES PCI Card delivers industrial-strength MPEG-2 decoding. With this board, you can operate multiple boards in one server, integrate high-quality video and graphics with transparency, and reduce the cost per channel in multi-channel systems.

KEY BENEFITS

- **Outputs**

(Up to 4 independant channels)

Video:
- Analog video outputs.
- NTSC & PAL.

Audio:
- Digital & Analog audio outputs.

- **MPEG Streams**

MPEG-1.
MPEG-2.

- **Windows & Linux**

APPLICATIONS

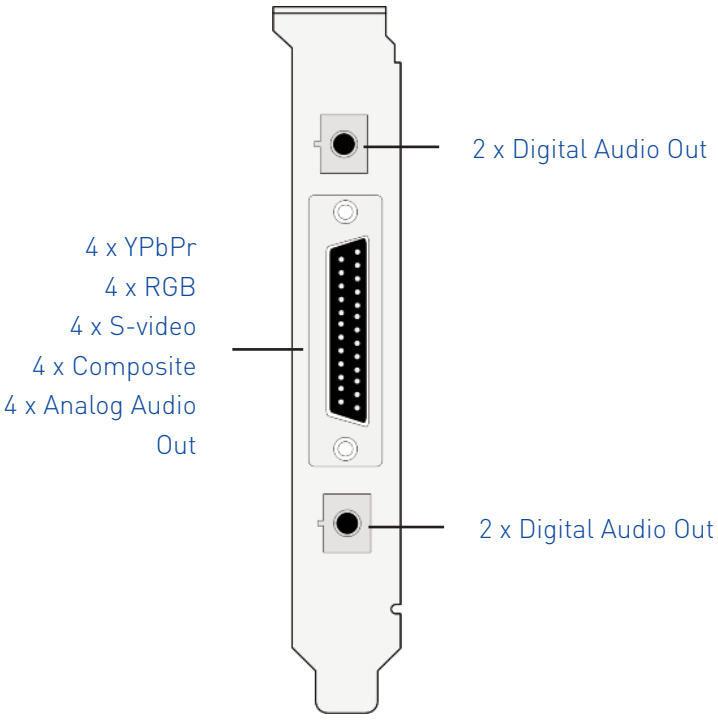
Designed for video broadcast applications, Harmony4ES is ideally suited for advanced video integration such as:

- Events and Entertainment,
- Healthcare,
- Hospitality,
- Retail.

TECHNICAL SPECIFICATIONS

Supported Formats	Video Formats	NTSC / PAL
	Picture Size	SD
Video Outputs	Video Outputs: Analog	4 x YPbPr, RGB, S-video, Composite
Audio Outputs	Audio Outputs: Digital	S/P-DIF
	Audio Outputs: Analog	Balanced / Unbalanced
Advanced Features	RS-422 control	yes
	Genlock/Reference Input	yes
	Multiboard driver	yes (up to 6)

Developers Resources	Operating Systems	Vista / XP / 2000 Linux
	Development Kits	Demo Application Sample source code
	Minimum Configuration	> P3 - 800 MHz, 512 MB RAM Hard Disk: Ultra ATA/66 or higher
	Recommended Configuration	> P4 - 2 GHz, 512 MB RAM
	PCI compliance	32 bits 33 MHz PCI rev2.3 compatible with 5V and 3.3V (automatic detection)
	Dimensions of the board	3/4 size PCI card
	Power consumption	12 W



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Specifications subject to change without prior notice - April 2009

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