HARMONY 4ES™

4 CHANNEL MPEG-2 DECODER CARD
WITH 256-COLOR GRAPHICS OVERLAY

FEATURES

- High-quality MPEG-2 playback
- Component, RGsB, S-video & Composite output
- 256-color on-screen display with adjustable transparency
- Windows 2000 / XP / Vista drivers with full SDK and sample code
- Genlock / External A/V Input
- Dolby Digital™ output
- NTSC/PAL transcoding

BENEFITS

- Delivers high-quality MPEG-2 video
- Reduces cost per channel in multi-channel systems
- Offers greater flexibility and control than "consumer" video cards
- Provides ability to operate multiple boards out of a single server
- Integrates high-quality video and graphics

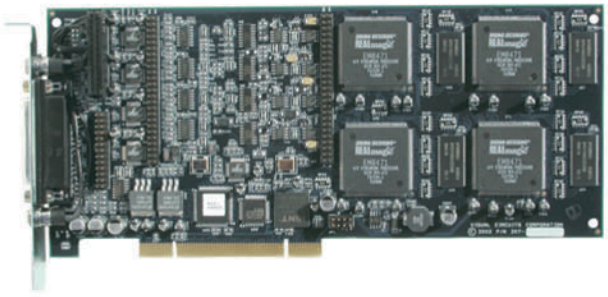
Designed for demanding multimedia applications, the Harmony 4ES PCI decoder card provides robust multi-channel MPEG-2 decoding. Featuring component, RGB, S-video and composite video outputs, and stereo or Dolby Digital™ audio, the Harmony 4ES is ideal for high-end video playback systems.

With high-quality 256 color on-screen display, Harmony enables you to overlay graphics or text on video with varying levels of transparency, making it ideal for kiosks, menu-driven video on demand, and visual merchandising. A built-in genlocked A/V input allows you to switch smoothly between MPEG-2 files and a live video source.

Because several Harmony 4ES cards can be installed in a single system, you can deliver multiple channels of video from one PC, reducing cost per channel. Frame accurate cross-channel synchronization enables elaborate multi-screen exhibits.

The Harmony 4ES comes with a Software Development Kit which provides a C++ and Visual Basic programming library, complete with sample code and function calls. This SDK gives simplifies the development of custom digital video playback applications.

High performance features and ease of integration makes the Harmony 4ES an ideal choice for video professionals who need to deliver multiple channels of high quality, professional video for advanced playback applications.



Harmony 4ES Specifications

VIDEO OUTPUT	Component (YPbPr), RGB (sync on green), S-Video & Composite
AUDIO OUTPUT	Balanced or unbalanced analog audio, Dolby Digital™ audio or Stereo PCM audio via S/PDIF
VIDEO STANDARDS	NTSC/ PAL (automatic transcoding)
DECOMPRESSION	MPEG-1 ISO 1172 and MPEG-2 ISO1 3818 audio, video bit streams; Decodes Main Profile at Main Level MPEG-2 streams; Decodes transport and program streams, elementary audio and video streams, as well as unencrypted DVD files (.vob).
CHIPSET	Sigma EM8471
MAX BIT RATE	15 Mbps per channel, 60 Mbps total per card (150 Mbps combined maximum per server)
ON-SCREEN DISPLAY	256-color (8-bit) 16-level adjustable transparency
GENLOCK / EXTERNAL A/V INPUT	One external video source input. All output channels are genlocked to that source. Any number of output channels may display the input source.
VIDEO SWITCHING	Can switch any combination of channels to an external audio/video source.
A/V BREAKOUT	25-pin D-sub, analog stereo audio & S/PDIF digital audio output via dual 3.5 mm jacks

SOFTWARE OPTIONS

OPERATING SYSTEM	Supports Windows 2000, XP or Vista
SDK	A complete C or Visual Basic programming library with sample source code and function calls.
SERIAL COMMANDS	Complete serial command library (RS-232) and ability to be controlled over a standard network.

MINIMUM SYSTEM REQUIREMENTS

CPU PROCESSOR	Intel or AMD-based 600 MHz/equivalent (1 GHz or higher recommended)
SYSTEM MEMORY	256 MB PC-100 (PC-133 recommended)
HARD DISK	Ultra ATA/66 or higher
AUDIO RECEIVER	Dolby Digital™ audio receiver/decoder and speakers required for surround sound

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