

# REELTIME 4™

4 CHANNEL MPEG-2 PCI DECODER CARD

## FEATURES

- 4 MPEG-2 audio/video playback channels on one PCI board
- Multiple boards can operate in one computer
- 4-Channel Genlock & A/V switching daughter card
- NTSC or PAL, Composite, S-video or RGB output
- 720 x 480 on-screen display
- NT Drivers and full SDK
- Supports Windows NT

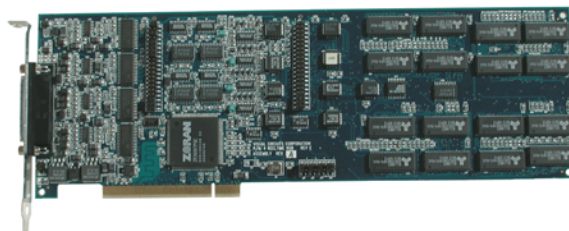
## BENEFITS

- Centralized control over all video content in a single system
- High resolution video and CD-quality audio
- Reduce cost per channel in multi-channel systems
- Greater reliability, control and flexibility than “consumer-grade” cards
- Cross-channel “frame accurate” synchronization

The ReelTime 4™ is a multi-channel MPEG-2 playback card for PC compatibles. Capable of decoding four MPEG-2 streams simultaneously to RGB, S-video or composite outputs, with MUSICAM stereo audio. Complete with an extensive development library and support for Windows NT, the ReelTime 4 fits into a wide variety of commercial video applications. Because of its advanced hardware decoding, this PCI bus card is particularly well suited for multi-card systems requiring more than 4 streams of video and/or audio. An on-screen display allows graphics or test information to be overlaid on the video with varying degrees of transparency. The ReelTime 4 board also boasts software-controlled frame-accurate cross-channel synchronization as well as play list support with seamless transitions between MPEG files. Cross-server synchronization is also supported.

Developed for industrial-strength commercial applications, the ReelTime 4 offers a mix of features, reliability and flexibility unmatched within the industry. Control of the ReelTime 4 board is achieved through use of the Software Developer's Kit. The ReelTime 4 is deployed worldwide in a wide variety of applications, ranging from location-based entertainment and retail visual merchandising applications to cable television ad insertion and private brand-marketing networks.

An optional RT Daughter card is available which allows for clean switching between the audio/video output of the ReelTime 4 MPEG-2 board and an external audio/video source. A genlock and black-level clamp permits flawless switching between video sources. The video switch can be set to display the output of the board or an external video source. Each of the four channels can be controlled independently. While genlocked, if there is a loss of sync or sync disturbance in the external video, the circuitry will automatically insert the missing sync or instantly switch to an internally generated sync.



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## ReelTime 4 Specifications

<b>PLAYBACK RATE</b>	30 fps NTSC; 25fps PAL
<b>VIDEO OUTPUT</b>	Composite, S-video, RGB; Channel-by-Channel software selectable
<b>AUDIO OUTPUT</b>	MPEG-1, MPEG-2 stereo CD-quality audio (MUSICAM)
<b>VIDEO STANDARDS</b>	NTSC or PAL software selectable
<b>AUDIO / VIDEO DECOMPRESSION</b>	MPEG-1 ISO 11172 and MPEG-2 ISO 13818 audio, video and system bit streams; Decodes Main Profile at Main Level MPEG-2 streams; Decodes program or elementary audio and video streams.
<b>GENLOCKING</b>	An optional daughter card genlocks to external video sources; includes an A/V switch that selects MPEG-2 or external audio/video; volume and tone control.
<b>CHIPSET</b>	LSI 64002 MPEG decoder, 2MB RAM per channel
<b>MAXIMUM BIT RATE</b>	15 Mbps per channel, 40 Mbps total per card
<b>ON-SCREEN DISPLAY</b>	16 color GIF from 65K palette: Adjustable transparency levels
<b>OPERATING SYSTEM</b>	Supports Windows NT 4.0
<b>A/V BREAKOUT OPTIONS</b>	BNC x 4, S-video x 4, terminal post audio

### SOFTWARE OPTIONS

<b>SOFTWARE DEVELOPER'S KIT</b>	A complete C programming library with sample source code and function calls to the base board and daughter card.
<b>VIDCOM AND VIDTCP</b>	Complete serial command library (RS232 or RS422) & TCP/IP command library.
<b>POPUP / POPDOWN</b>	Provides time/day scheduled playlist creation and remote content and playback management. Used in retail "Point-of-Purchase" applications.

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