VIDEO P L E X ™

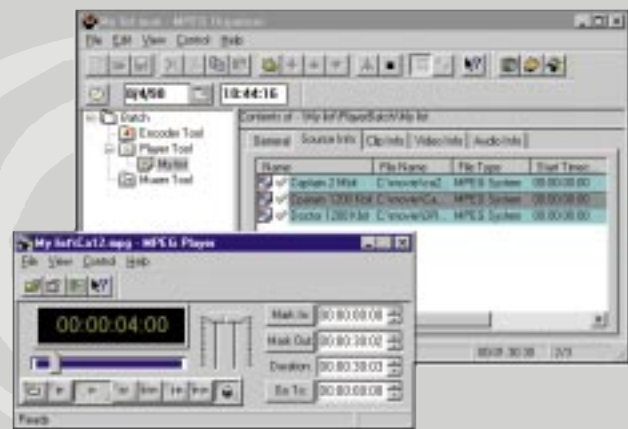## HIGH QUALITY MPEG–2 PLAYBACK

Functional and Powerful

VideoPlex delivers playback of professional MPEG-1 and MPEG-2 streams at up to 15 Mbps, replacing laser disks and linear tapes such as SVHS and Betacam with superb digital video. VideoPlex also features genlock input with video pass-thru for ad insertion and other professional video applications. It supports Windows 95 and Windows NT. It comes in PCI single slot layouts with Composite (BNC) and S-Video (mini-DIN) output connectors. VideoPlex decodes MPEG streams to NTSC-M, NTSC 4.43, PAL-M, and PAL B/G output formats with balanced and unbalanced stereo audio for professional sound and video.

The Most Advanced Tools

The Real Time Decoder (RTD) Software Development Kit (SDK) provides a complete set of software tools for developing digital video playback applications. Developers and OEMs can join Progression, Optibase's Developers Support Program, and enjoy a wide range of software components designed for state-of-the-art applications. By joining Progression, you'll benefit from a C/C++ SDK, DirectShow filters, source code for demo applications, conversion utilities and setup tools.

The Best Choice for System Integration and OEM

VideoPlex is the ideal solution for point-of-sale, point-of-information, video-on-demand, ad insertion and video wall applications. It is designed for integration into professional video markets that require the most reliable MPEG playback technology.

Features

- Composite and S-Video outputs
- Balanced and unbalanced audio outputs
- Genlock input
- MPEG audio
- MPEG-1 System, MPEG-2 Program and Transport streams
- Windows 95 and Windows NT 4.0
- DirectShow 2.0 in Pull and Push modes
- Full CCIR-601 resolution

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TECHNICAL SPECIFICATIONS

Decoding Specifications

VideoPlex accepts the following file formats:
- MPEG-1 System
- MPEG-2 Program
- MPEG-2 Transport
- Video only files (MPEG-1 and MPEG-2)
- Audio only files

Video

Genlock input with video pass-thru
Standard Compliance - ISO 11172 (MPEG-1); ISO 13818 (MPEG-2)

Resolutions	NTSC	fps	Resolutions	PAL	fps
MPEG-2 Full D-1	704x480	29.97	MPEG-2 Full D-1	704x576	25
MPEG-2 Half D-1	352x480	29.97	MPEG-2 Half D-1	352x576	25
MPEG-1 SIF	352x240	29.97	MPEG-1 SIF	352x288	25

Audio

MPEG Audio Layer II

Sampling frequency	32, 44.1, 48 kHz
Channels	1-2
Frequency response	20Hz-20kHz, +/-0.5dB
Balanced stereo out	0VU=+4dBm
	16 bit audio D/A

Software adjustable audio output levels

Physical Interfaces

- Composite video out (BNC) & S-Video out (Mini-DIN)
- Genlock input (BNC)
- Unbalanced stereo analog audio output (3.5 mm mini jack)
- Balanced audio out (Mini-DIN)
- PCI 2.01 compliance

Software

- DirectShow 2.0 with support for Push and Pull stream delivery modes
- DirectShow Filter auto-detects, de-multiplexes and plays back MPEG clips
- ActiveX client support for Optibase's MPEG ComMotion UDP
- Drivers for Windows 95 and Windows NT 4.0
- Multiple board software support
- 3rd party network client support: Oracle OVS 3.04 and higher, SGI Media Base, MS NetShow Theater 3.0

Physical Size

Full size PCI expansion card (12.28"x4.2")

For Progression Developers

- Full control of board functionality through a C API
- User Buffer mode support within the SDK
- C and Visual Basic demo source code
- DirectShow Developer Support
- MCI support through DirectShow 2.0

Certifications

- CE- Class B
- FCC Class A

System Requirements

- A PC with a Pentium processor and a PCI bus
- 1 full size free PCI slot
- 16 MB RAM
- Windows 95 or Windows NT 4.0 Service Pack 3

(These requirements may vary depending on the application and the number of VideoPlex boards installed on the same PC.)

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The information contained herein is accurate at the time of printing and subject to change without notice. ▌Design & Production: Studio Diana Churges