



VIDEO P L E X™ XPress

Top Quality MPEG-2 Video-in-a-Window Playback
for System Integrators and OEMs

Features

- Video-in-a-window
- Composite and S-Video outputs
- Video Inlay or VPE for digital video transfer to the VGA
- MPEG-1 System, MPEG-2 Program and Transport streams
- Drivers for Windows 95/98 and Windows NT 4.0/5.0 Beta (Windows 2000)
- DirectShow™ in Pull and Push modes
- Supports Full D-1, Half D-1 and SIF resolutions

VideoPlex XPress is an MPEG-2 video-in-a-window decoding board designed for integration into desktop clients. Targeted at large scale video networking applications, VideoPlex XPress offers high-quality, cost effective MPEG video hardware acceleration based on the PCI Video Inlay method or the Video Port Extension (VPE - part of the PC 98 recommendations).

Fully Digital

VideoPlex XPress is a true digital component in the PC. It receives MPEG from the PCI bus and produces CCIR-656 streams. These are converted to analog for display via the Composite or S-Video output connectors or transferred through the feature connector to the VGA card. This technology provides a crystal clear image on the VGA.

Fully Compliant

Optibase DirectShow (ActiveMovie) filters have been successfully installed with thousands of VideoPlex boards. VideoPlex XPress benefits from the experience Optibase has gained with COM (Common Object Model) programming and support for developers and integrators. And by implementing the VPE recommendations, VideoPlex XPress benefits from wide PC industry support.

Network Oriented

Optibase has gained extensive understanding in networking, Winsock programming and MPEG over networks from working with MPEG ComMotion™ UDP, system integrators and developers and from providing end-to-end components. As a result, VideoPlex XPress



VideoPlex XPress plays MPEG-2 Full D-1 clips effortlessly using digital transfer directly to your VGA

features crucial requirements for transmitting MPEG over public networks, such as the ability to:

- Auto-detect and recover from network errors
- Handle underflows
- Handle clock discrepancies

Supported by Progression:

<http://progression.optibase.com>

Following the proven success of Optibase's VideoPlex MPEG-2 playback family, VideoPlex XPress is the best platform for creating custom video playback applications based on DirectShow architecture such as video-over-satellite, video server and video-over-ATM networking solutions. And by joining Progression, Optibase's developers support program, integrators can enjoy the specially developed software tools needed to develop digital video networking applications.

Discover the power of digital video with Optibase, a world leader in MPEG technology.





MPEG-2 Video-in-a-Window Playback

Decoding Specifications

- Standard Compliance: ISO 11172 (MPEG-1); ISO13818 (MPEG-2)
- VideoPlex XPress accepts MPEG System, MPEG Program and MPEG Transport multiplexed files

Video

Resolution	NTSC	fps	Resolution	PAL	fps
MPEG-2 Full D-1	720x480	29.97	MPEG-2 Full D-1	720x576	25
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 Layer 1 & 2
- Sampling Frequency: 32, 44.1, 48 kHz
- Channels: 1-2
- 16/20 bit audio D/A
- Software adjustable audio output levels

Physical Interfaces

- VPE-Video Port Extension (AMC, LBP, and VMI busses for PC 98 support)
- Composite video out (BNC) & S-Video out (Mini-DIN)
- Unbalanced stereo analog audio out (3.5 mm mini jack)
- DVD / CD-ROM audio pass thru with output to the sound card using soundcard like connectors
- PCI 2.1 compliance

Physical Size

- Half size PCI slot (6.88"x4.2")

Certifications

- CE Class B
- FCC Part 15 Class B



VideoPlex XPress

Software

- DirectShow with support for Push and Pull stream delivery models
- Filter automatically detects, de-multiplexes and plays back MPEG clips
- MCI support through DirectShow
- Third party network client support (Please consult our sales department for availability)
- Drivers for Windows 95/98 and Windows NT 4.0/5.0 Beta (Windows 2000)

System Requirements

(These requirements are Optibase's recommendation for the best quality video playback.)

- Free half size PCI slot (a second slot might be required for a new VGA card, depending on the specification of your VGA adapter and PC).
- Pentium II 233 MHz and higher or Pentium 200 MMX and higher
- 32 MB RAM
- A DirectX 6.0 compliant VGA board with 4 MB RAM
- Windows 95/98 and Windows NT 4.0/5.0 Beta (Windows 2000)

©1999 Optibase, Optibase Inc., the Optibase logo, VideoPlex, Progression and MPEG ComMotion UDP are registered trademarks of Optibase. Other product names mentioned are used for identification purposes only and may be trademarks of their respective companies.

Optibase Inc.
3031 Tisch Way, Plaza West, Suite 1,
San Jose, CA., 95128 USA.
Tel: +1-800-451-5101, +1-408-260-6760
Fax: +1-408-244-0545
Email: sales_usa@optibase.com

Optibase Ltd.
7 Shenkar St., P.O.B. 2170
Herzliya, 46120 Israel.
Tel: +972-9-9709-200
Fax: +972-9-9586-099
Email: sales_intl@optibase.com

Optibase Europe
Pew Hill House, Pew Hill
Chippenham, Wiltshire, SN15 1DN, UK.
Tel: +44-1249-460066
Fax: +44-1249-461066
Email: sales_euro@optibase.com

Web: <http://www.optibase.com>

