



# MPEG ComMotion™

## UDP 3.5

Real-time Digital Video Streaming Platform

### Real-time Transmission to Single or Multiple Sites

MPEG ComMotion UDP 3.5 is a software platform designed for deploying and developing MPEG-1 and MPEG-2 video streaming solutions. MPEG ComMotion UDP 3.5 is ideal for advanced multimedia solutions deployed over digital IP networks.

Applications developed with MPEG ComMotion UDP 3.5 include distance learning, computer-based training, corporate communications, surveillance systems, manufacturing process monitoring, business TV, high-quality value added video conferencing systems, archiving and video libraries.

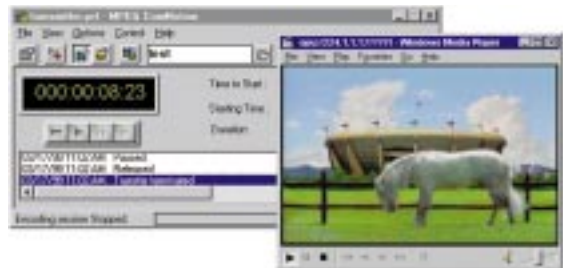
### Features

- Broadcast, unicast or multicast over IP networks
- Streams multiple MPEG-1 or MPEG-2 pre-recorded video or live TV feeds in real-time
- Supports multiple decoders on the same PC
- Supports external video server vendors, including Oracle Video Server and SGI WebFORCE MediaBase
- Includes multicast player with ActiveX control and plug-in
- Windows 95, Windows 98 and Windows NT compatible
- Reduced end-to-end delay for interactive applications
- Scheduled transmission

### MPEG ComMotion UDP 3.5 consists of several components:

#### MPEG ComMotion Transmitter

MPEG ComMotion Transmitter is a software platform that lets you manage the streaming process. Each streaming station can transmit several MPEG-1 or MPEG-2 streams simultaneously in real-time to an IP network. Streams can be prerecorded or encoded live using Optibase encoding boards. Encoded bit rates depend on the Optibase encoding hardware you choose for your facility.



#### MPEG ComMotion Receiver

MPEG ComMotion Receiver plays back MPEG-1 or MPEG-2 streams in real-time, and is designed for developing real-time MPEG playback applications in multicast, broadcast or unicast modes. It supports multiple stream playback on a single PC. MPEG ComMotion Receiver is based on Microsoft DirectShow architecture. It offers ActiveX controls, allowing developers to customize and integrate the player into large-scale applications. MPEG ComMotion Receiver has a configurable single-file single-click installation utility for rapid deployment of large installations. It is compatible with Microsoft Internet Explorer, Netscape Communicator, Visual Basic, C++ and Java. MPEG ComMotion Receiver supports Optibase's MPEG-1 and MPEG-2 hardware-assisted decoders.

#### Network Connectivity

MPEG ComMotion UDP 3.5 integrates seamlessly with leading video server vendors including Oracle Video Server and SGI WebFORCE MediaBase. Encoded video feeds can be stored in real-time to a video server for later retrieval. MPEG ComMotion UDP 3.5 offers up to 240 hours of continuous stream upload to the Oracle Video Server.

#### Never Skips a Beat

Optibase's unique EverSync™ technology ensures lasting audio and video synchronization for professional applications. EverSync encoding technology maintains video and audio synchronization ensuring that your video infrastructure delivers a steady and reliable stream 24 hours a day, seven days a week.





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## Available Hardware Options

### Optibase Real-time Encoders

MPEG MovieMaker™ XPress	High quality single board, plug and play, MPEG-1 SIF and QSIF encoder up to 3Mbps.
MPEG MovieMaker Plus	High quality single board, plug and play, MPEG-1 SIF and QSIF encoder up to 5Mbps.
MPEG MovieMaker 200	Professional single board, plug and play, MPEG-2 encoder.
MPEG Forge™	Professional MPEG-2 Half D-1 encoding boards.
MPEG Fusion™	Professional MPEG-2 Full D-1 encoding boards.

### Optibase Real-time Decoders

VideoPlex™ XPress	High quality, video-in-a-window MPEG-1 and MPEG-2 decoding board.
VideoPlex Plus	High-quality MPEG-1 and MPEG-2 decoding board with composite outputs.
VideoPlex Pro	Professional MPEG-1 and MPEG-2 decoding board with composite outputs, closed caption and genlock pass-thru.
VideoPlex YUV	Professional MPEG-1 and MPEG-2 decoding board with component YUV outputs.

## System requirements:

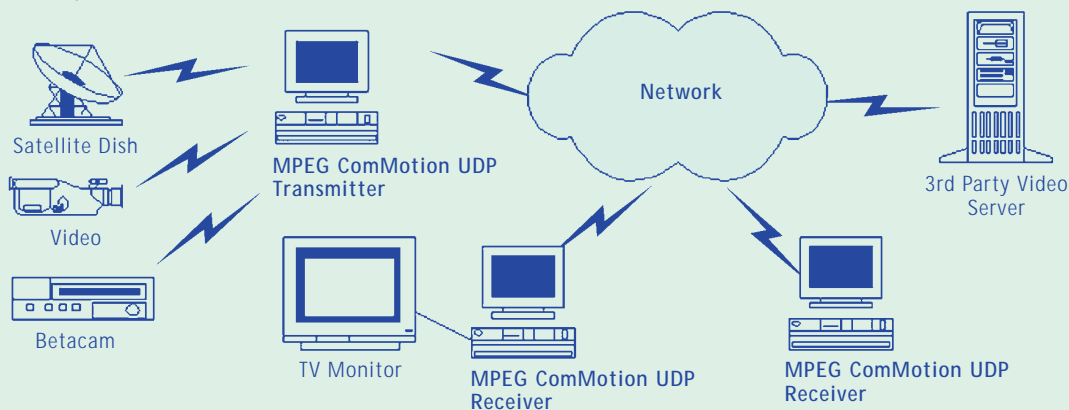
### MPEG ComMotion Transmitter (system with one encoding board)

- Pentium 133 (MPEG-1); Pentium 166 (MPEG -2)
- SCSI-2 disk controller (MPEG-1) or SCSI-2 wide disk controller (MPEG-2)
- SCSI-2 fast wide hard disk (2 GB recommended) with 5 Mbps write data transfer
- Windows 95/Windows NT 4.0
- 32 MB RAM
- One full size PCI slot
- VGA or SVGA graphics board diskette drive
- CD-ROM drive and 3.5
- Sound blaster (optional)

### MPEG ComMotion Receiver

(For hardware-assisted playback. For software playback you may need a more powerful system.)

- Pentium 133
- Windows 95/Windows98/Windows NT 4.0
- 32 MB RAM
- VGA or SVGA graphics board diskette drive
- CD-ROM drive and 3.5
- Sound blaster



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