



## Master/Multipoint Control Unit and Channel Modulator

(Part# EDU-001-IMN)

The IMN MediaEdge Education Solution Master/Multipoint Control Unit and Channel Modulator is a multi-channel, multi-location information delivery system of either HD or SD video using standard TCP/IP networks and HD/SD display devices. Comprised of server, encoder, client software, and set-top box (STB) components, this flexible and modular system is ideal for scheduling education and emergency notification as well as information dissemination.

### Two Streaming Modes

The Master/Multipoint Control Unit and Channel Modulator lets you deliver content in 2 ways: scheduled playback and live broadcast.

Scheduled playback allows an unlimited number of users to view a pre-programmed arrangement of multiple video clips. The Master/Multipoint Control Unit and Channel Modulator can have multiple scheduled channels running simultaneously, with set program times scheduled to run hourly, daily, or monthly.

For live broadcasting, the Master/Multipoint Control Unit and Channel Modulator can utilize the real-time capabilities of its encoding devices to transmit live external SD video sources such as cameras, VCRs, and DVD players as professional-quality MPEG-1 and MPEG-2 streams to multiple clients with minimal delay.

Master/Multipoint Control Unit and Channel Modulator also supports live streaming of HD video from HDV cameras and decks when connected to the solution via a FireWire (IEEE 1394) connection. As with external SD video, HDV footage can be streamed live.

### KEY FEATURES

#### Server Software

- Cost-effective network architecture using 100Base-TX or faster
- High-quality MPEG-1, MPEG-2, and HD video and audio via LAN
- Live HD video streaming and capture of HDV video via OHCI FireWire (IEEE 1394)
- MPEG encoding capabilities—limited only by network and number of LEB and LSB encoders available (eight SD streams using MVR-D series cards, eight HDV hard wired streams directly connected to the server)
- Customizable, HTML-based user interface
- Local and remote-management capabilities
- Live sources include:
  - Part # EDU-250-655285
  - Part # EDU-250-605082
  - Part # EDU-250-604061
  - Part # EDU-250-605153
  - Part # EDU-250-603033
  - Direct FireWire (IEEE 1394) HDV connection
- File sources include:
  - Part # EDU-250-606195

#### Master Control Unit/Multipoint Control

- HD and SD video distribution over TCP/IP networks
- Live and scheduled distribution
- Supports multiple simultaneous video streams and multiple clients
- Centralized content distribution