

TELEPRESENTER™ M2P



PRACTICAL PRESENTATION AND COLLABORATION FOR USERS

The Telepresenter M2P is an interactive presentation system designed for collaborative sessions over IP networks. The M2P, an enhanced version of the original Telepresenter M2, allows users to hold sessions amongst other M2P participants using a combination of floor control, full duplex communications and audio conferencing. Simultaneously, users at desktop computers can view the sessions using a desktop player, or access the session later from the M2P as it can be archived as an MPEG-4 file.

The M2P is a total solution, which is ideal for lecture presentations, training sessions, and Internet meetings. The M2P allows users to add an interactive element through the Internet to their presentations and training applications. The system is ideal for reaching people separated by geography, and those wishing to view the proceedings at a later time.

The product is easy to operate, simply plug in RGB (laptop, document camera, etc), video, and audio sources into the back of the M2P. The respective signals will be automatically detected by the system and combined dynamically in a PIP (Picture in Picture) format. The M2P is bundled with a video scaler provided by Kramer that creates the PIP format.

The Telepresenter M2P allows users to

- ▶ Expand reach by connecting with remote locations and communicate with them interactively.
- ▶ Record Picture In Picture video, graphics and audio and have it available immediately for download and stream.
- ▶ Enjoy universal interoperability with any RGB/DVI source: laptops, PCs, MACs, document cameras, diagnostic equipment, etc.
- ▶ Collaborate in real time with other M2P users through floor control using audio mixing and full duplex conferencing.
- ▶ View a stream at any PC desktop, laptop or Telepresenter M2P allowing a large number of sites to simultaneously access information and participate.

The Telepresenter M2P operates in either unicast or multicast mode. For those organizations that are multicast enabled, the M2P offers integrated multicast technology to provide interactive presentations while conserving minimal network load. Customers without multicast can simulate these advantages using our N-Way service, which works with any unicast connection.

CUSTOMER PROFILE AND APPLICATIONS

Our customer profile and applications include:

- Corporate Training
- Corporate Communication
- University Presentation Recording
- Medical Institution Lectures
- K-12 School Distance Learning
- Legal Contracts & Documents Sharing

FEATURE HIGHLIGHTS

▶ GRAPHICS RESOLUTION

Up to UXGA (1600x1200) input and XGA (1024x768) output and streaming capabilities.

▶ COMBINED VIDEO AND GRAPHICS

M2P technology supports high resolution graphics and video sources in a PIP (Picture in Picture) format.

▶ COLLABORATION

M2P is optimized for collaboration between sites using floor control and audio mixing mechanism.

▶ DESKTOP PLAYERS

Anyone connected to the network can tune into a Telepresenter Presentation via a secure web browser and Apple Quicktime, Real One, and Windows Media Player (with plugin).

▶ SCALABLE

NCast technology allows maximum scalability for remote users if streamed through multicast. Alternatively, embedded unicast server supports up to 30 desktop users as well.

▶ REMOTE CONFIGURATION

Administer any Telepresenter from a secure web browser and find current statistics and settings

▶ GRAPHICS QUALITY

Retains full integrity of original image, including fonts, color depth, and resolution.

▶ RECORD CAPABILITIES

Archiving feature captures any application being streamed by the M2P as an MPEG-4 file. These recordings are saved locally and can be downloaded or uploaded to another server.

▶ AUDIO CAPABILITIES

The M2P offers audio inputs and mixing from all sites to provide additional content to the presentation.

▶ PLAYBACK OPTIONS

Recorded archives can be streamed or displayed.

connect XGA graphics
interactive
high performance simplified
dynamic presentations
scalability instant collaboration

TELEPRESENTER™ M2P

TECHNICAL SPECIFICATIONS



GRAPHICS RESOLUTIONS

Native PC Resolutions:

XGA, 1024x768
SVGA, 800x600
VGA, 640x480
Video, 720x480, 300x240

GRAPHICS INPUTS

RGB, DB15
Laptops, desktops, document cameras
S-Video, Composite
DVI

GRAPHICS OUTPUTS

XGA/SVGA/VGA up to 1024x768, with 16.7 M colors
RGB, DB15

GRAPHICS COMPRESSION

MPEG-4

GRAPHICS PERFORMANCE

Up to 25 frames per second of 1024x768 pixels
and 30 fps. with video.

NETWORK INTERFACE

IP (LAN DSL, Cable Modem), Ethernet 10/100 Mbps

EXTERNAL INTERFACES

USB
Serial RS232 port on DB-9 connector

SETUP

USB Stick for IP Settings

IP FEATURES

DHCP
Configurable TCP/UDP Ports
Completely Network Configurable

AUDIO

Audio input and output available with rackmount
MPEG Layer 3
Input, Stereo, Line level, 2.5mm Jack (PC Audio type)
Input Sampling, 16 Bits, 44.1 kHz
Output, Stereo, Line level, 2.5mm Jack (PC Audio type)

ENCODING BITRATES

128 Kbps. to 5.0 Mbps.

COLLABORATIVE FEATURES

Interactive floor control during session
Audio mixing from all M2P sites to talk simultaneously
Full Duplex available for point to point conference mode

REMOTE CONFIGURATION

Web based using any HTML browser
Browser based Configuration, Operation, and Management
Serial Port- RS232
Telnet

COMMUNICATION PROTOCOLS

Multicast
NCast NCCP
RTP, HTTP, UDP, TCP/IP
TCP/IP, RTP RTCP, HTTP

SECURITY FEATURES

System Administrator Password
User Level Passwords

ENTERPRISE SYSTEM MANAGEMENT

SNMP (V1, V2, V3)
Crestron and AMX support on:
RS232
Ethernet

LANGUAGES

English

PHYSICAL

Dimensions
119"(380mm)x3.46"(68.58mm)x13.9"(254mm)
Universal 100-240V 50/60 Hz 300W internal power supply
Environmental
Weight: 23lbs(10 kg)
Temperature: Operating 0-35 C (32-95 F)
Humidity: 5% to 95% RH, Non-Condensing

STREAMING CAPABILITIES

Multi-user Unicast Server up to 30 users
QuickTime and Windows Media Desktop players supported
Live or progressive streaming available

NCast CORPORATION

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ARCHIVE FEATURES

Archive and Record options
Optional scheduler
Archives stored as MPEG-4 files
Customizable .mp4 files by title, author and subject