

# TELEPRESENTER™ S3



## PORTABLE CAPTURE & DISTRIBUTION

The Telepresenter S3 is a table-top course content creation and lecture capture system designed for recording and streaming presentations using Internet technologies. The S3 encodes Audio and video or high resolution graphics (RGB/DVI) sources into an MPEG stream, allowing the presenter to effortlessly switch between screens. The output is then encoded and made available for on-demand playback or real-time viewing via a standard Ethernet Interface.

The Telepresenter S3 allows users to:

- ◆ Capture—multimedia feeds such as graphics, video, and audio,
- ◆ Encode—the stream into an industry standard MPEG-4 file,
- ◆ Cast—that file on the Internet using real time streaming protocols,
- ◆ Archive—the stream for on-demand viewing, and
- ◆ Collaborate—with other Telepresenters or other audience PCs.

## Effortless Operation

The Telepresenter S3 automates the capture process by offering a dedicated hardware solution with a powerful set of features. Simply plug in RGB (laptop, document camera, etc), DVI, video, and audio sources into the back of the S3. The respective signals will be automatically detected by the system, and the presenter can then switch between sources via a web interface, a Crestron controller, or via a PC Application. With the start of a session, this signal will be encoded as an MPEG file, and made available for streaming, recording and collaborating.

## Collaboration Mode

The S3 has a unique collaboration mode, allowing Students and Teachers to interact in real time while having the exchange archived for off-line on-demand viewing.

## APPLICATIONS

- ✓ Presentation and Lecture Capture
- ✓ Distance Learning
- ✓ Corporate Training
- ✓ Telemedicine
- ✓ Municipal, State and, Federal Government Communications

## FEATURE HIGHLIGHTS

### • GRAPHICS RESOLUTION

Supports up to SXGA (1280×1024) input and streaming output

### • INTEGRATED VIDEO AND GRAPHICS

S3 technology integrates high resolution graphics and video sources into a PiP (Picture in Picture) format

### • PiP TEMPLATES

User-defined preset templates simplify session setup

### • SCHEDULING

Schedule one or more Telepresenters using Google Calendar or other iCalendar based tools

### • DESKTOP PLAYERS

Anyone connected to the network can view a Telepresentation via a web browser and media player (QuickTime, Real, Windows Media Player)

### • SCALABLE

N\*Cast technology allows for maximum scalability with remote users if streamed through multicast. Alternatively, embedded unicast server supports up to 30 users as well

### • PiP CUSTOMIZATION

Robust control set available for Picture-In-Picture technology, logo insertion and textual description

### • GRAPHICS QUALITY

Retain full integrity of original image using digital motion adaptive interlacing to maintain fonts, color depth, and resolution

### • RECORD CAPABILITIES

Archiving feature captures any source to the S3 for later download or remote viewing

### • AUDIO CAPABILITIES

The S3 offers audio input and mixing from all sites to provide additional content

### • PLAYBACK OPTIONS

Recorded archives can be streamed or displayed

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## TECHNICAL SPECIFICATIONS

### GRAPHIC AND VIDEO INPUTS

RGB (DB15)  
DVI-D (Laptops, HD Video)  
S-Video  
Composite Video

### GRAPHICS RESOLUTIONS & PERFORMANCE

SXGA, 1280x1024, 15 fps  
XGA, 1024x768, 24 fps  
SVGA, 800x600, 30 fps  
Video, 720x480, 300x240

### GRAPHICS OUTPUTS

SXGA/XGA up to 1280x1024  
RGB (DB15) 16.7 M colors

### GRAPHICS COMPRESSION

MPEG-4 (ISO 14496-2)  
Simple Profile @Level 1-3 and non-standard

### AUDIO

MPEG-4, AAC (ISO 14496-3)  
Low Complexity Profile  
Input, Stereo, Line-In & Mic-In on 2.5mm Jack (PC Audio type)  
Input Sampling, 16 Bits, 44.1 kHz  
Output, Stereo, Line Out, 2.5mm Jack (PC Audio type)

### NETWORK INTERFACE

RJ-45 (LAN, DSL, Cable Modem), Ethernet 10/100 Mbps

### COMMUNICATION PROTOCOLS

Multicast, Unicast, Auto Announce  
N-Cast NCCP, RTP, HTTP, UDP, TCP/IP  
RTP, RTCP, RTSP, HTTPS, FTP

### EXTERNAL INTERFACES

Serial RS-232 port on DB-9 connector, USB (2), Mic-in, Line-in, and Headphone,

### ENCODING BITRATES

128 Kbps. to 10.0 Mbps.

### COLLABORATIVE FEATURES

Interactive floor control during session  
Audio mixing from all S3 sites to talk simultaneously  
Full duplex mode available

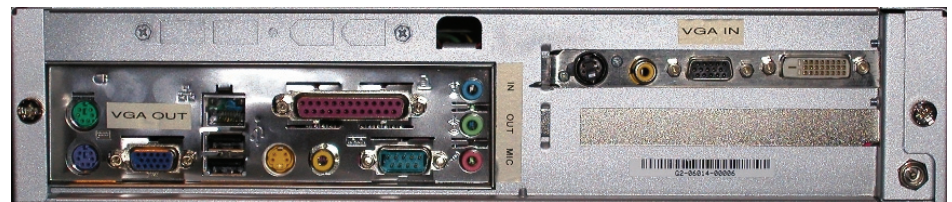
### ENTERPRISE SYSTEM MANAGEMENT

SNMP, Optional Python Systems Manager

Serial Crestron/AMX compatibility (Serial, Telnet, HTTP)  
iCalendar support (Google Calendar)

### ARCHIVE FEATURES

Archive and record options– 250 GB hard drive included  
MPEG-4 AAC (ISO 14496-3)  
Archives stored as MPEG-4 files  
Customizable .mp4 files by title, author, and subject



### SETUP

USB Stick for IP Settings

### USER INTERFACE CONTROLS

Aspect ratio, resolution capture size  
Graphics positioning (vertical start, horizontal start)  
PiP size, location, aspect ratio  
Brightness, contrast, sharpness, saturation, hue  
Audio Input Gain, Volume  
Multiple Logons  
User-defined PiP preset templates

### SECURITY

Embedded Linux OS  
HTTPS  
SSL Certificate

### PHYSICAL

Dimensions  
19"(380mm)x3.46"(68.58mm)x13.9"(254mm)  
Weight: 23 lbs (10 kg)  
Universal 100-240V 50/60 Hz 300W power supply

### ENVIRONMENTAL

Temperature: Operating 0-35 C (32-95 F)  
Humidity: 5% to 95% RH, Non-Condensing

### STREAMING CAPABILITIES

Multi-user Unicast Server up to 10 users  
Quicktime, Real, DivX, VLC, Windows Media  
Player (with plug-in) and others supported



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