



ClipMail^{PRO}

Professional digital media delivery

- ▶ Send and receive approval to master quality video over any global IP network connection
- ▶ Industry-standard MPEG1 and MPEG2 technology
- ▶ Reliable store-and-forward delivery
- ▶ Contribution station for Telestream's FlipFactory™
- ▶ Auto print-and-send from your Avid® or other NLE
- ▶ Ideal for short and long-form content delivery

As easy to use as fax or email

The professional digital media delivery solution for broadcasters, post production houses, government agencies and other video professionals.

ClipMail Pro automates the sending and receiving of high-quality digital media over existing data networks, eliminating the expense and inconvenience of satellite time and shipping services.

With ClipMail Pro, you choose the transmission speed and video quality you want—from approval to digital master. And because it uses “store and forward” rather than streaming technology, quality will never be affected by transmission speed.

A smart, simple delivery appliance, ClipMail Pro acquires media from virtually any tape source, Avid, or other NLE. Media are encoded to MPEG, and transmitted via Ethernet to a router and any “last mile” connection to the Internet. Then it is delivered to any Telestream appliance or FTP server, and stored until ready for high-quality viewing or offloading to tape or disk.

As a contribution station, it features real-time acquisition and encoding of media—and makes delivery to Telestream's FlipFactory™ a breeze. (For the automatic processing of media into streaming formats, nothing can touch FlipFactory™.) The network-savvy ClipMail Pro also handles time code, tape deck control, and will negotiate secure network configurations, including proxy servers—either locally or remotely.

ClipMail Pro has advanced encoding capabilities, providing user-

selectable compression levels that range from MPEG1 128 Kbps all the way to MPEG2 50 Mbps. It's perfectly suited for a variety of applications, ranging from review and approval, to broadcast delivery, to creative collaboration and re-editing. Files such as EDLs, scripts and metadata can be attached and sent with the media.

ClipMail Pro is completely standards-based, all the way down to its analog and digital inputs, outputs and network connections. Both 525 (NTSC) and 625 (PAL) television standards are supported, and automatic standards conversion is included—making it easy to send media anywhere in the world. Robust media transport includes automatic resumption of transfers, scheduled send capability, and delivery to and from FTP sites.

You have two convenient ways to control ClipMail Pro. Local control via a color touchscreen panel puts total system control, including full motion video and audio, within easy reach. Remote control via our Java application running on any PC or Mac, allows you to retrieve or playout clips from anywhere in the world.

And the power and convenience of ClipMail Pro just gets better. New version 4.0 software provides powerful new enhancements: encoding of larger files for transmission of long-form content; ability to enter metadata which is especially useful for ingest to FlipFactory and asset management applications; ability to receive media files from FlipFactory; and inclusion of timecode in each GOP header, enabling more accurate reference to tape archives for asset management applications.

ClipMail Pro—a powerful tool for video professionals



ClipMail Pro is a part of Telestream's family of FlipwareTM solutions: smart, simple media encoding and delivery.

Video - 625/50 and 525/60

Processing

Digital 4:2:2 ITU-R BT.601-2 (720x486 NTSC, 720x576 PAL)
Built-in Automatic Playback Standards Conversion (525/625)
Watermarking and overlays
Slate/Black Clip insertion

Compression

MPEG1 128 Kbps to 5 Mbps, SIF or QSIF
MPEG2 MP @ ML 4:2:0, 1.5 to 15 Mbps
MPEG2 4:2:2 P @ ML, 1.5 to 50 Mbps
Custom Profiles: user selectable GOP, bit rate (constant or variable) and I-frame.
VBI encoding control to preserve vertical data.
Compatibility with standard third-party MPEG encoders & decoders

Inputs and Outputs

Analog Composite (BNC, 75 ohm, 1 Volt p-p)
Y/C (4-pin mini-DIN, 75 ohm, 1 Volt p-p)
Analog Component YUV (3 BNCs, 75 ohms, 1 Volt p-p)
Serial Digital (BNC, SMPTE 259M 270 Mbps)
Reference (BNC, 75 ohm)

Audio

Processing

48.8kHz, 16-bit sampling encode & decode (525 & 625)
44.1kHz decode (525 & 625)

Compression

MPEG layer 2, 64 to 384 Kbps
User Selectable Profiles

Inputs and Outputs

Balanced Analog Stereo
(2 Female XLRs, 10K inputs and 50K outputs, +4dBu nominal level)
AES/EBU/IEC-958 Digital
(2 BNCs, 32/44, 1/48kHz sample rates)
Embedded Serial Digital (2 stereo pairs)

Machine Control

RS422 Master and slave (9 pin D, Sony protocol with timecode)
Master-VTR control including batch digitizing
Slave-VTR emulation

Network Connection

10/100 Mbps Ethernet port
TCP/IP and FTP (full/half duplex)

Internal Storage

18GB LVD ultra SCSI, 3-1/2" form factor
External 68-pin LVD ultra SCSI expansion port

Media Delivery

Telestream's Media Distribution Protocol (MDP) utilizes FTP as the primary transport. MDP enhances delivery by: ensuring file compatibility with receiving ClipMail system, verifying receive-system status and reserving disk space. MDP provides automatic and manual "resume transfer" functionality to overcome network failures.

Other media delivery features include:

- Scheduled Send: to take advantage of reduced network congestion
- Send while encoding: to improve overall throughput
- Delivery status progress bar
- Automatic email confirmation of delivery

Dimensions and Weight

Chassis (19" rack mountable)

Height (2RU)	3.5", 8.89 cm
Depth	18.00", 45.72 cm (with front molding)
Width	19.00", 48.26 cm (with side molding)
Weight	19.2 pounds, 8.7 kg

Power

Chassis Input Voltage: 90-260 VAC, 50-60 Hz
Chassis Power Consumption: 200 Watts
Control Panel Voltage
AC Input (wall adapter): 100-250 VAC

System Configuration and Ordering

Standard configuration includes:

System Chassis
Control Panel: 8.4" color LCD touch screen displays both video and menus; includes built-in stereo speakers and headphone jack

Network configuration includes:

System Chassis only
Requires: Network Controller software running on user-supplied web-enabled computer

Ordering information

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| • ClipMail Pro Standard Configuration:
(with touchscreen control panel) | CM-TS |
| • ClipMail Pro Network Configuration:
(without touchscreen control panel) | CM-B1 |
| • Touchscreen Control Panel only: | CP-1 |

NOTE: For additional information see our website.



848 Gold Flat Road
Nevada City, CA 95959
USA
877 257 6245 toll free (US only)
530 470 1300 tel
530 470 1301 fax

www.telestream.net
info@telestream.net