



MEDIAEDGE3

LIVE SD ENCODER

Live, Scheduled, & On-Demand Enterprise Video Distribution.



Our MEDIAEDGE[®]3 is a multi-channel, multi-location delivery system of either high- or standard-definition (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 point-of-sale, corporate, and other video-retrieval and digital-signage applications.

Three Streaming Modes

The MEDIAEDGE3 system lets you deliver content in three ways: video-on-demand (VOD), scheduled playback, and live broadcast.

In a VOD application, users select video clips stored on the MEDIAEDGE3 server for viewing, either from a dynamically updated menu, or through direct channel number selection via a remote control. A user can pause, stop, and resume viewing content at any time. Content chapter points can be created for faster navigation, and clients can fast forward or rewind video clips during playback.

Scheduled playback allows an unlimited number of users to view a pre-programmed arrangement of multiple

video clips. The MEDIAEDGE3 server can have multiple scheduled channels running simultaneously, with set program times scheduled to run hourly, daily, or monthly. MEDIAEDGE3 STB users can surf channels by simply using the remote control. MEDIAEDGE3 software users can do the same within a Web browser.

For live broadcasting, the MEDIAEDGE3 system 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.

Using this feature, the system can retransmit television and satellite feeds. Such content, once MPEG encoded, may also be recorded to a server on the network for later viewing or scheduling. The MEDIAEDGE3 system also supports live streaming of HD video from HDV cameras and decks when connected to the MEDIAEDGE3 server via a FireWire (IEEE 1394) connection. As with external SD video, HDV footage can be streamed live or recorded for later use.

KEY FEATURES

Encoder

- Real-time encoding and streaming of SD analog video to MPEG-1 and MPEG-2 output
- Supports distribution of video and audio with perfect A/V synchronization
- Unicast/multicast distribution support
- Selectable distribution modes—choose between on-demand or automated
- Compatible with MEDIAEDGE3 server software for live streaming and/or capture for on-demand MPEG playback
- Easily configurable via any networked PC or front panel
- Embedded Web server to allow streaming to STB decoders without the need of a server

MEDIAEDGE3 System

- HD and SD video distribution over TCP/IP networks
- Live, scheduled, and on-demand distribution
- Supports multiple simultaneous video streams and multiple clients
- Centralized content distribution
- Server-driven menu system enables easy access to content



Package Contents

- 1 x MEDIAEDGE-LEB60 video encoding unit
- MEDIAEDGE-LEB60 user manual
- AC power cable
- 1 x RS-232 serial cable (for peripheral unit communication, maintenance mode)

MEDIAEDGE Video Encoder

The standalone MEDIAEDGE3 encoder provides real-time distribution of live video across a network to any MEDIAEDGE2 and MEDIAEDGE3 software or STB clients. Working as a separate solution or in conjunction with a MEDIAEDGE3 server, it encodes any analog video source into an MPEG-1 or MPEG-2 output, and can instantly rebroadcast the stream via an internal server built into the unit's circuitry.

You can also use the MEDIAEDGE3 encoder to process video from a remote location, such as a video library, and then deliver the content to a MEDIAEDGE3 server based within a datacenter. The content is recorded and then ready for distribution across a MEDIAEDGE3 network.

As well, you can combine a MEDIAEDGE3 encoder, server, and software clients and/or STBs. Clients can request live streams from the encoder—or live, scheduled, or on-demand from the server.

SPECIFICATIONS

Network Connection

- 1 x RJ-45 modular connector
- 100Base-TX full-duplex Fast Ethernet
- IEEE 802.3 frame format
- Auto negotiation supported

Video Formats

- NTSC: 720x480 @ 29.97 fps
- PAL: 720x576 @ 25 fps

Analog Video Input

- 1 x S-Video (4-pin miniDIN)
- 1 x composite (BNC)

Analog Audio Input

1 x stereo (RCA, unbalanced)

Data Input

2 x RS-232 (10-pin circular)

Video Encoding Formats

- MPEG-2: MP@ML
- MPEG-1
- Max. bit rate: 15 Mb/s

Audio Encoding Formats

- MPEG Layer 1, Layer 2
- 16-bit stereo
- Sampling frequency: 32-, 44.1-, 48 kHz

Transmission Formats

MPEG-1/MPEG-2: RTSP/RTP (transport stream)

Dimensions

- Width: 215.5 mm (4.4 in.)
- Depth: 245 mm (7.9 in.)
- Height: 44 mm (1.7 in.)

Weight

0.82 kg (1.8 lbs.) front panel

Service and Support

1-year limited warranty

HEADQUARTERS

Thomson Worldwide Headquarters
 46 Quai A. Le Gallo
 92648 Boulogne Cedex
 FRANCE

DEALERS/RESELLERS

To find your local reseller or dealer for Thomson Grass Valley professional audio video products, please visit professional.grassvalley.com/sales/.

SERVICE & SUPPORT

Twelve-month limited warranty with service provided through local resellers. Additional support available on a contractual basis.