



MEDIAEDGE3

LIVE SERVER BOX



Live, Streaming HD/SD 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

Live Server Box

- HDV/MPEG-2 transport stream video input via FireWire (IEEE 1394)
- HDV/MPEG-2 transport stream packet sent out to IP network
- RS-232C command pass-through
- Unicast/multicast distribution support
- Direct connection with MEDIAEDGE3 STB3/SWT3
- Optional: ADVC-HDM1 for HD-SDI signal input or ADVC-HD50 for HDMI input

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-LSB live server box
- MEDIAEDGE-LSB user manual
- AC power cable
- 1 x RS-232 serial cable (for peripheral unit communication, maintenance mode)

MEDIAEDGE Live Server Box

Normally, the server is in a centrally-located position, distributing pre-recorded video content. However, there are occasions where an on-site capture source for live video input is required which is not physically located in the same place as the main video server. The MediaEdge LSB is designed to provide this flexibility as part of a total video distribution solution.

The MediaEdge LSB provides for real-time transport of high definition video across a LAN. The MediaEdge LSB accepts live HDV video via FireWire (IEEE 1394). It delivers live video to the MediaEdge server where it can be distributed live, captured for later use in an on-demand play list, or both simultaneously.

The MediaEdge LSB is a stand-alone network appliance allowing it to be located at the video source. An Ethernet connection provides access to the LAN and, thereby, the MediaEdge server. Multiple MediaEdge LSBs may be used independently. MediaEdge does not restrict the number of same-time connections. Available bandwidth on the LAN becomes the primary factor in the number of MediaEdge LSBs you can successfully integrate

The MediaEdge LSB partners well with our ADVC-HD50 to broadcast live HDMI sources (PCs, HD cameras, or other HDMI sources where content protection is not in force), or with the ADVC-HDM1 to take in live HD-SDI signals with embedded audio.

SPECIFICATIONS

Network Connection

- 1 x RJ-45 modular connector:
 - 100Base-TX/1000Base-T full-duplex Fast Ethernet
 - IEEE 802.3 frame format
 - Auto negotiation supported
- 1 x EIA-232, DSUB 9-pin (male)
- 2 x FireWire (IEEE 1394) 4-pin
- 1 x USB 2.0, type A

Input Stream via FireWire (IEEE 1394) HDV/MPEG-2 TS

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

Data Input

1 x RS-232C

Transmission Formats

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.