

MEDIAEDGE-LEB4

SD/HD MPEG-4 (H.264) ENCODER

Live, Scheduled, & On-Demand
Enterprise/Digital Signage
Video Distribution.



MEDIAEDGE® 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 MEDIAEDGE 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 MEDIAEDGE-SVS4 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 MEDIAEDGE-SVS4 server can have multiple scheduled channels running simultaneously, with set program times scheduled to run hourly, daily, or monthly. MEDIAEDGE-STB4 users can surf channels by simply using the remote control. MEDIAEDGE-

SWT4 software users can do the same within a Web browser.

For live broadcasting, the MEDIAEDGE system can utilize the real-time capabilities of its encoding devices to transmit live external HDMI or SDI video sources as professional-quality MPEG-4 (H.264) streams to multiple clients.

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. MPEG-2 SD/HD video is also available when you combine the ADVC-HD50 with the LSB or the ADVC-HDM1 with the LSB.

KEY FEATURES

Encoder

- Real-time encoding and streaming of SD and HD video to MPEG-4 (H.264) 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 MEDIAEDGE-SVS4 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

MEDIAEDGE 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
- Supports IPv6



PACKAGE CONTENTS

- 1 x MEDIAEDGE-LEB4 video encoding unit
- MEDIAEDGE-LEB4 user manual
- AC power cable

MEDIAEDGE-LEB4 Video Encoder

The standalone MEDIAEDGE4 encoder provides real-time distribution of live video across a network to any MEDIAEDGE STB or software player. Working as a separate solution or in conjunction with a MEDIAEDGE-SVS server, it encodes any analog video source into an MPEG-4 (H.264) data stream, and can instantly rebroadcast the stream using an internal streaming server.

You can also use the MEDIAEDGE-LEB4 encoder to process video from a remote location, such as a video library, and then deliver the content to a MEDIAEDGE-SVS4 server based within a datacenter. The content is recorded and then ready for distribution across a MEDIAEDGE network.

As well, you can combine a MEDIAEDGE-LEB4 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

1920x1080/59.94i, 1440x1080/59.94i, 1280x720/59.94p, 720x480/59.94i, 1920x1080/50i, 1440x1080/50i, 1280x720/50p, 720x576/50i

Video/Audio Inputs

- SDI (w/embedded audio)
- HDMI (w/embedded audio)

Data Communication Ports

2 x RS-232 (DB 9-pin)

Video Encoding Formats

- ISO/IEC14496-10 (H.264/AVC) High Profile Level 4.0
- Max. bit rate: 20 Mb/s

Audio Encoding Formats

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

Transmission Formats

ISO/IEC 13818-1 + Amd3 MPEG-2 transport stream

Dimensions

- Width: 214.5 mm (8.4 in.)
- Depth: 246 mm (9.7 in.)
- Height: 43 mm (1.7 in.)

Weight

1.6 kg (3.5 lbs.) front panel

Service and Support

1-year limited warranty

DEALERS/RESELLERS

To find your local reseller or dealer for 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.

