

MEDIAEDGE-STB4H

SET-TOP BOX

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



MEDIAEDGE® is a multi-channel, multi-location delivery system of high- or standard-definition (HD or SD) video and digital signage using standard TCP/IP networks and HD/SD display devices. Comprised of server, encoder, client software, and SMIL-compliant 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-STB4H system lets you deliver video and signage content in three ways: on-demand, scheduled playback, and live broadcast.

In a video-on-demand (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. Clients can pause, 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-STB4H server can have multiple scheduled channels running simultaneously, with set program times scheduled to run hourly, daily, or monthly. MEDIAEDGE-STB4H users can surf channels by simply using the remote control. MEDIAEDGE-SWT software users can do the same within a Web browser.

For live broadcasting, the MEDIAEDGE-STB4H system can utilize the real-time capabilities of its encoding devices to

transmit live external SD and HD video sources such as cameras, VCRs, and DVD players as professional-quality MPEG-1, MPEG-2, and MPEG-4 (H.264) 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 for later viewing or scheduling. As with external SD or HD video, HDV footage can be streamed live or recorded for later use. The MEDIAEDGE-LEB4 encoder is capable of sending live video streams to MEDIAEDGE systems. The video source for the LEB needs to be HDMI or SDI. The LEB supports both SD and HD resolution, which is detected automatically by the hardware.

KEY FEATURES

Set-Top Box

- Easy-to-use network appliance
- Compact and lightweight
- No moving parts
- SD and HD output with up/down scaling
- SMIL-compliant
- Compatible with MEDIAEDGE-STB4 Display Content Manager (DCM) software
- IPv4/IPv6 support

- MPEG-1, MPEG-2, and MPEG-4 (H.264) decoding and playback
- Supports HDMI and composite outputs
- Supports SPDIF and analog stereo audio outputs
- Supports remote control to select content or change channels
- RS-232 port can communicate with serial devices such as touch screens

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

MEDIAEDGE-STB4H Set-Top Box

Designed as a compact, SMIL-compliant network device, the MEDIAEDGE-STB4H provides multiple layers of video and multimedia display ideal for digital signage and/or video distribution.

Supported media types include MPEG-1, MPEG-2, MPEG-2 HD (HDV), MPEG-4 (H.264), JPEG, BMP, PNG, GIF, MP3, HTML, and plain text. Live data from RSS feeds is also supported.

The MEDIAEDGE-STB4H includes built-in MEDIAEDGE-STB4 menu browsing capabilities. It connects to a standard Ethernet network and provides HDMI, and composite RCA outputs.

The STB also has a full-featured remote control for navigating dynamically updated content menus generated by a MEDIAEDGE-SVS4 server. The remote control also provides volume, pause, search-back, and search-forward functions. A server can also control the STBs remotely.



SPECIFICATIONS

Video Output (Analog, SD)

- 480/59.94i (NTSC)
- 576/50i (PAL)
- Composite (RCA)

Video Output (Digital-HDMI)

- 1080/59.94i
- 1080/50i
- 720/59.94p
- 720/50p
- 1080/59.94p
- 1080/50p

Audio Output (Analog)

Unbalanced stereo (2 x RCA)

Audio Output (Digital)

SPDIF (RCA)

Network Connection

1000Base-T full duplex (RJ-45)

USB Port

- 1 USB port with bus powered
- 1 USB port without power

Serial Port

RS-232C (D-Sub 9-pin)

Dimensions

- Width: 215.5 mm (8.5 in.)
- Depth: 190 mm (7.5 in.)
- Height: 44 mm (1.73 in.)

Weight

Approx. 1.5 kg (3.31 lbs.)

Service and Support

1-year limited warranty

PACKAGE CONTENTS

- 1 x MEDIAEDGE-STB4 set-top box
- AC adapter

ORDERING INFORMATION

MEDIAEDGE-STB4H

Available for all geographic regions except the EU. For EU usage, please see the MEDIAEDGE-STB4, which is available for all geographic regions.

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.