

MEDIAEDGE-SVS4

SERVER SOFTWARE

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



MEDIAEDGE® is a multi-channel, multi-location delivery system of either 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 updating 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-SVS4 server can have multiple scheduled channels running simultaneously, with set program times scheduled to run hourly, daily, or monthly. MEDIAEDGE-STB4 set-top box users can surf channels by simply using the remote control. MEDIAEDGE-SWT4 client 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 SD video sources such as cameras, VCRs, and DVD players, as well 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.

KEY FEATURES

Server Software

- Cost-effective network architecture using 100Base-TX or faster
- High-quality MPEG-1, MPEG-2, MPEG-4 (H.264), and HD video and audio via LAN
- Live HD video streaming and capture via the MEDIAEDGE-LEB60 and MEDIAEDGE-LEB4 real-time encoders
- MPEG encoding capabilities—limited only by network and number of MEDIAEDGE-LEB60, MEDIAEDGE-LEB4, and MEDIAEDGE-LSB encoders available
- Customizable, HTML-based user interface
- Local and remote-management capabilities
- Live sources include:
 - MEDIAEDGE-LEB60 and MEDIAEDGE-LEB4
 - MEDIAEDGE-LSB

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 Server

The MEDIAEDGE-SVS4 server is an advanced software application that facilitates the setup and administration of sophisticated broadcast systems over a client/server-based network to provide streaming. The software features several applications for overall content management and server configuration, as well as utilities for controlling and updating MEDIAEDGE-STB4 set-top boxes.

The configuration of the MEDIAEDGE-SVS4 server, as well as monitoring and content creation of the site, can be managed and updated automatically, either locally or remotely, via a Web browser.

SPECIFICATIONS

Protocols

- Control: RTSP (RFC 2326)
- Data Stream: RTP (RFC 1889)
- Menu: HTTP

Supported Video Formats

- MPEG-4 (H.264) HP@L4.0
- MPEG-2 MP@ML and MP@HL (up to 30 Mb/s)
- MPEG-1

Supported Audio Formats

- MPEG-1 Audio Layer-2
- Dolby Digital

Minimum System Requirements:

- Intel Pentium III 1 GHz CPU or faster
- 256 MB of RAM or more
- Windows Server 2008
- 4 GB or more hard disk space (Storage OS and applications)
- 4 GB or more hard disk space (database)
- 18 GB or more hard disk space (dependent on amount of video)
- Graphics card with hardware-based DirectDraw overlay and 24-bit color display at a 1024x768 resolution
- One free USB port (1.1 or higher)
- 100Base-TX Ethernet adapter

Service and Support

90-day limited warranty

PACKAGE CONTENTS

- MEDIAEDGE-SVS4 server software installation disk
- MEDIAEDGE-SVS4 dongle (dongle-less installation available)

DEALERS/RESELLERS

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

SERVICE & SUPPORT

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