Streambox®

Streambox® Distribution Server

The Streambox® Distribution Server extends the routing capabilities of Streambox® Encoders, Decoders, and Media Players. It provides enhanced video management for centralized routing of hundreds of incoming ACT-L3™ video streams, all in real-time.
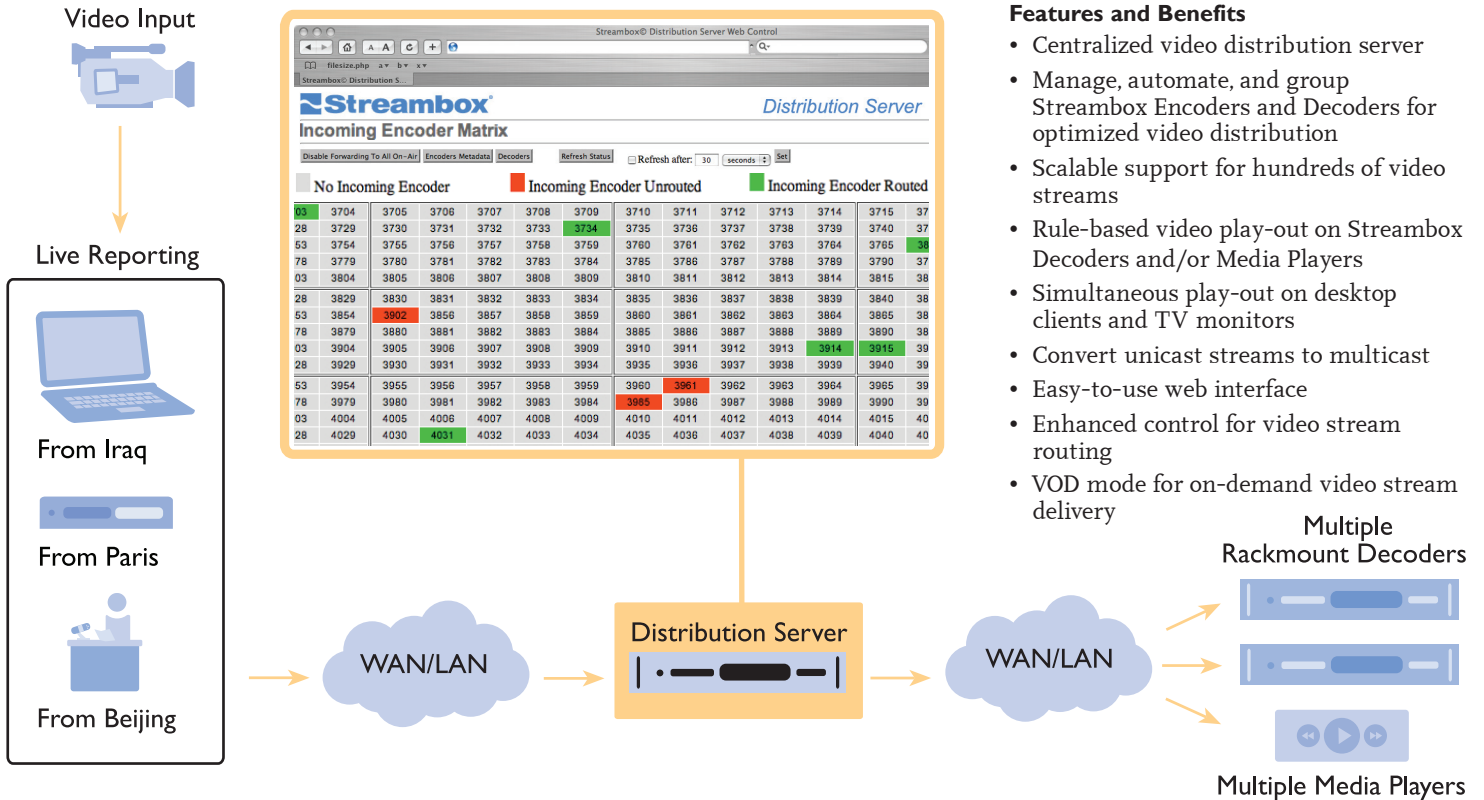
The Distribution Server is part of the management layer of Streambox video transport solutions and it facilitates scalable integration with all aspects of broadcasters' newsgathering operations. The Distribution Server enables live video reports from field journalists, remote bureaus, and SNG trucks to be efficiently routed to available Streambox® Decoders/Media Players. It is particularly useful for mobile newsgathering over satellite and other IP networks.

Target Markets and Applications

- Real-time video routing over IP
- Centralized video stream management
- Live newsgathering
- Broadcasting
- Relief organizations
- Government
- Armed forces
- Distance Learning
- Enterprise TV
- Telemedicine

Features and Benefits

- Centralized video distribution server
- Manage, automate, and group Streambox Encoders and Decoders for optimized video distribution
- Scalable support for hundreds of video streams
- Rule-based video play-out on Streambox Decoders and/or Media Players
- Simultaneous play-out on desktop clients and TV monitors
- Convert unicast streams to multicast
- Easy-to-use web interface
- Enhanced control for video stream routing
- VOD mode for on-demand video stream delivery

Video Input → Live Reporting (From Iraq, From Paris, From Beijing) → WAN/LAN → Distribution Server → WAN/LAN → Multiple Rackmount Decoders / Multiple Media Players

Overview

The Streambox® Distribution Server is a rule-based video management system which routes individual ACT-L3™ video streams from multiple Encoders to multiple Decoders. Control room operators automate and group incoming video streams using a web interface to determine where the video streams should be routed. This determination may depend on the source and relevance of the video stream and also on what Decoders and/or Media Players are available at any given time.

Reliable Video Stream Management

When field reporters, remote bureaus, and SNG trucks around the world capture video and transmit video reports to a central broadcast center via Streambox® Encoders, all live incoming video signals are displayed on the Distribution Server web interface with a UDP port number unique to each Encoder. The Distribution

Server operator uses port numbers, along with metadata tag information, to determine how the incoming video feeds should be routed to multiple Decoders, Media Players, or other bureaus.

Remote Encoders transmit data to a single Distribution Server IP address for centralized management, control, and routing of all live video feeds as video reports are filed by multiple field journalists or bureaus around the world.

Technical Specifications

Network:	Ethernet 10/100/1000 Mbps
Setup & Control:	Front access LCD panel and keypad. Web interface. Solid-state Compact Flash storage for reliability and upgrades. VGA output, USB ports
Max. Encoder Streams:	400
Power Requirements:	110-220 V AC
Power Consumption:	300W
Dimensions:	2 RU 3.5"H x 16.75"W x 16.25"D 8.9cm H x 42.5cm W x 41.3cm D
Weight:	30 lbs, 13.6 kg

About Streambox, Inc.

Streambox manufactures a complete line of video transport and newsgathering solutions used by broadcasters, government agencies, and enterprises worldwide.

We provide best-of-class encoding, decoding, and transmission over IP and satellite networks for all real-time and store and forward applications.

Learn more about our products and solutions at www.streambox.com.

Customers Include:

AOL

American Red Cross

Bell Canada

BELO

British Sky Broadcasting

CBS

CNN

Comcast

Department of Homeland Security

DIRECTV

Gannett

Japan Leisure Channel

Media General

MBC Korea

NASA

NBC Universal

NOAA

PCCW

PBS

Time Warner

Tribune

Turner Broadcasting

Univision

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