



Streambox® ACT-L3™ SD Software Encoder

Available for Mac OS® and Windows®



Live and File-based Newsgathering

The Streambox® ACT-L3™ SD Software Encoder enables broadcasters, government agencies, and enterprises to deliver high quality live and stored broadcast video over low data rate connections such as 3G/4G, WiFi, BGAN, VSAT, and other IP-based networks.

The Streambox SD Software Encoder is deployed on standard off-the-shelf Mac OS® and Windows® laptop platforms*). Performance and reliability over low data-rate networks are hallmarks of Streambox solutions making them ideal for a wide range of applications including mobile newsgathering, emergency response, and mobile command centers for the armed forces.

The ability to gather, edit, and stream high quality live video, even from the most challenging locations, provides field reporters and other users with ultimate flexibility when reporting and delivering news and intelligence.

Solution Overview

The Streambox® ACT-L3™ SD Software Encoder is compatible with the entire Streambox platform for broadcast and broadband, including our centralized video management and video play-out systems. It features robust forward error correction, burst error protection, and packet rate shaping along with the following features and benefits:

- User defined presets
- Supports bit rates from 64 Kbps to 8 Mbps
- Live and file-based capture and delivery of interlaced NTSC or PAL signal

Streambox® ACT-L3™ Codec

The ACT-L3™ codec features an advanced proprietary video compression technology optimized for interlaced and progressive video. It is developed specifically for broadcast video and provides more efficient compression than MPEG and H.264. ACT-L3™ is highly adaptable to differing data rate requirements.

The robust family of ACT-L3™ Video Transport solutions features innovative error correction and bandwidth shaping

technologies which enable users to manage, control, and mitigate packet loss and correct irregularities common to video delivery over packet-based networks.

Solution Features

- Powerful software encoder with all the advanced features of the Streambox® ACT-L3™ rackmount encoders
- Unrivaled video quality over low data rate satellite, WiFi, 3G/4G, and other IP networks
- Advanced forward error correction and burst error protection. Helps mitigate packet loss, overcome jitter, and network buffering
- 4:2:0 and 4:2:2 color profiles
- Sophisticated video post filtering including de-blocking, de-mosquito, and anti-aliasing
- Adaptable to differing data rate requirements
- Upgradeable software
- User configurable presets for quick and flexible field setup
- Optional features include:
 - Streambox® Store and Forward for more efficient streaming
 - ACT-L3™ for QuickTime enables high quality field editing

Target Markets and Applications

- Live and file-based newsgathering
- Satellite video transport
- Emergency response
- Government and military
- Law enforcement
- Online and distance learning
- Surveillance and security
- Point-to-point and point-to-multipoint video distribution

Streambox Platform Solutions

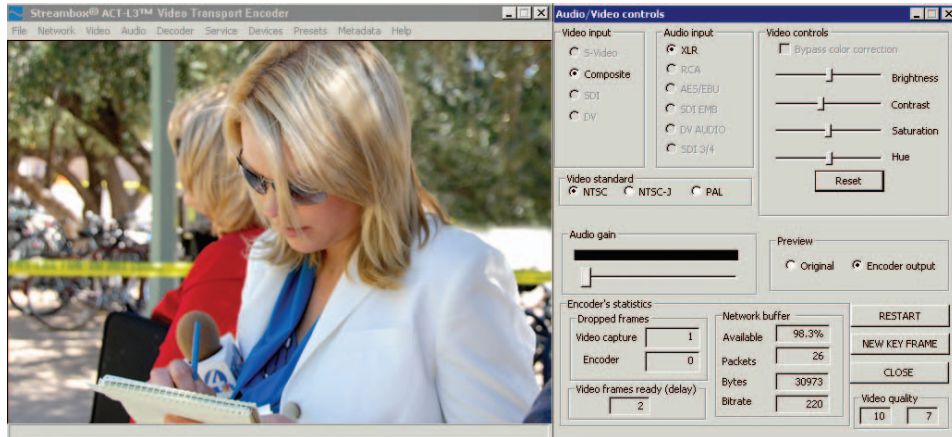
- Streambox® Portable Encoders
- Streambox® Rackmount Encoders
- Streambox® Decoders
- Streambox® Broadcast Server
- Streambox® Media Player
- Streambox® Distribution Server
- Streambox® IFB Server
- Streambox® IFB Client
- Streambox® Store and Forward Server
- Streambox® Store and Forward Client
- Streambox® Media Station
- ACT-L3™ for Apple QuickTime®

Technical Specifications

Video Formats:	NTSC/60i, PAL/50i
Video Encoding:	Resolution: D1, 3/4, 2/3, 1/2, CIF, QVGA Frame rate: full, 3/4, 1/2, 1/3, 1/4, 1/5, 1/10
Audio:	AAC, GSM, and CELP Codecs
Streaming Rate:	User selectable from 64 Kbps to 8 Mbps
Editing:	Works with QuickTime compatible NLEs
Video Post Filtering:	Interlaced/progressive post filtering, including de-blocking, de-mosquito, and anti-aliasing
Video Pre-filtering:	Noise pre-filter, de-interlacing
Network Protocol:	Multicast/Unicast, UDP
Forward Error Correction:	Adjustable, 0% to 50%
Operating System:	Mac OS® or Windows®
Encoding Latency:	Adjustable from .2 seconds to 8 seconds
Burst Error Correction:	Adjustable from 0 to 20 packets

*) Minimum hardware requirements apply to ensure efficient encoder performance.

Windows® Interface



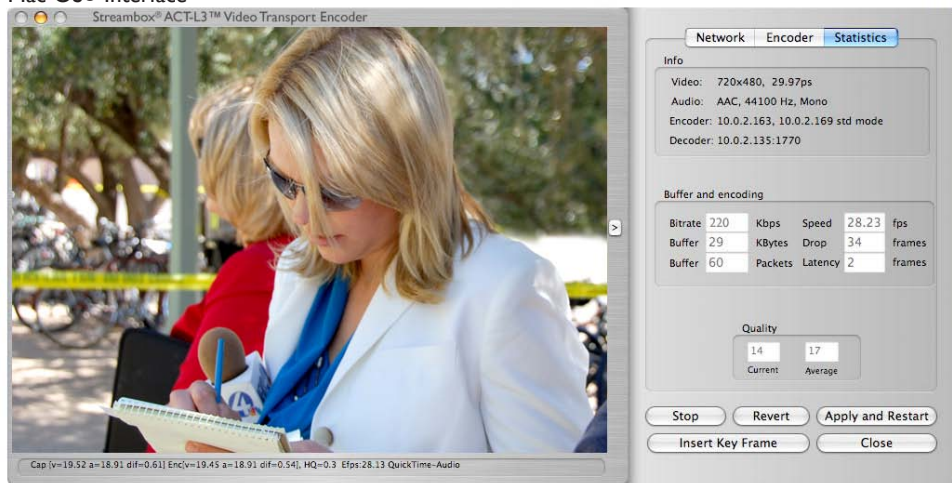
About Streambox, Inc.

Streambox provides a single platform for live and file-based video transport and acquisition over IP. The platform comprises clients - from small form factor mobile devices and laptops - to rule-based video management and playout systems.

The company's scalable solutions, based on the innovative ACT-L3™ codec, can be integrated into all IP-centric broadcast and broadband operations.

Learn more at www.streambox.com.

Mac OS® Interface



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