



Compact 1 RU Profile for
SD Broadcast Video

SBT3-2300 SERIES

Target Markets and Applications

Confidence monitoring • Enterprise and government streaming •
Factory automation and monitoring • Telemedicine • Distance learning
• Event broadcasting • Video conferencing • Multi-site video worship

Streambox® ACT-L3™ encoders and decoders excel over low bandwidth networks while providing unrivaled video compression and quality. All solutions are specifically developed to meet the performance, compression, and quality requirements of our diverse customers, including broadcasters, government agencies, and enterprises.

The Streambox® SBT3-2300 1RU Video Transport system is ideally suited for confidence monitoring, enterprise streaming, and for use in remote or unmanned camera platforms. The system is capable of delivering full D1 resolution video transport over packet-based networks. Streambox® customers can expect highly reliable and flexible video transport solutions, as well as an accelerated return on investment due to efficient bandwidth use.

Solution Reliability

The SBT3-2300 solution is designed for 24/7 unattended use including:

- Immediate system restore upon power outage or system reset
- Solid state memory for increased longevity and reduced maintenance
- Automatic stream resumption upon extended signal or packet loss



SOLUTION FEATURES

- Unrivaled video compression and quality at low data rates
- Best-of-class performance and reliability with advanced networking features
- Advanced forward error correction and burst error protection
- Low end-to-end latency
- Seamless local or remote system management via an easy-to-use web interface
- Live encoding at up to full D1 resolution (720 by 480i NTSC, 720 by 576i PAL)
- Optional store and forward feature for enhanced storage, management, and transmission of video over packet-based networks
- Single network port for Ethernet or optional T1/E1
- Half duplex mode is provided for easy switching between encoder and decoder modes
- Low total cost of ownership
- User configurable presets for quick and flexible setup



ENCODER / DECODER



TECHNICAL SPECIFICATIONS

Video Formats:	NTSC/59.94i, 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 Codecs:	AAC, GSM, and CELP Up to 64 Kbps per channel 44.1 or 48 KHz sampling rate
Streaming Rate:	User selectable from 64 Kbps to 5 Mbps
Audio Inputs:	Balanced 2-ch Analog XLR
Audio Outputs:	Balanced 2-ch Analog XLR
Video System:	D/A and A/D. Time-Base Correction for analog video. Genlock. Audio embedding/de-embedding
Video Inputs:	Composite BNC
Video Outputs:	Composite BNC
Encoding Latency:	Adjustable from .2 seconds to 5 seconds
Video Post Filtering:	Advanced interlaced/progressive post filtering, including de-blocking, de-mosquito, and anti-aliasing
Video Pre-filtering:	Noise pre-filter, adjustable de-interlacing
Network Interfaces:	Ethernet
Network Protocol:	Stream: Multicast/Unicast UDP and IP Web Interface and Remote Desktop: TCP
Setup & Control:	Front access LCD panel and keypad. SSD storage for reliability and upgrades. VGA output, USB ports
Forward Error Correction:	Adjustable, 0% to 50%, Reed-Solomon, Parity, Shuffle
Options:	Store and Forward
Power Requirement:	100-240 V AC 50/60 Hz
Power Consumption:	130W (Decoder), 140W (Encoder) maximum
Dimensions:	1 RU 1.77"H x 18.9"W x 20.67"D 4.5cm H x 48cm W x 52.5cm D
Weight:	20 lbs, 9 kg



Streambox, Inc.
1848 Westlake Ave N
Seattle, WA 98109
206-956-0544
www.streambox.com