Multi-Channel Synchronized Decoder for Broadcast & Live Events

The Streambox Multi-channel Synchronized HD-SDI Decoder allows for live production of multi-camera events over IP networks.

The Streambox Synchronized Decoder comes in 4 or 8 channel configurations. The channels can act independently or synchronized to a user selected master channel with an output as a genlocked, synchronized stream. Close-ups and long-shots remain in sync with audio, even with differing video latencies from different cameras at the same or different locations.

Multi-Camera Live Production
- Receive 4 or 8 live video streams over wired and wireless IP networks
- Decode 4 or 8 video streams into 4 or 8 HD-SDI output with Genlock
- Decode 4 or 8 video streams and automatically sync any video to a master audio channel
- Selectable master audio channel syncs 3 or 7 video channels

Ease of Use
- Easy to use web UI
- Remote access and controls over the internet
- Automatically synchronizes 3-7 videos to within a single frame
- Supports all Streambox hardware encoders

Cost Efficient & Simplified Workflow
- Supports video contributions over wireless and wired IP Networks
- Shift video production switching from the field to broadcast center
- Deploy less equipment and resources in the field

Key Features
- New ACT-L3/ACT-L5 Video Codec Update
- High quality 10-bit HD video output
- LDMP reliable transport over public and private IP networks
- 500ms - 2 second End-to-End Latency over Fiber and public internet Networks
- In-stream 128-bit video encryption to protect video content from unauthorized viewers
- Encrypted Collaboration Via Private Network or Streambox Cloud
Multi-Channel Sync Decoder Workflow
Compatible With All Streambox Encoders
# Multi-Channel Synchronized Decoder

## Specifications

| Video Interface       | 4-ch: BNCx4 (+1 Ref)  
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<th>8-ch: 1.0/2.3 x8 (+1 Ref) **</th>
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<tr>
<td>Video Transport</td>
<td>Streambox LDMP 2.0 with Network-Bonding</td>
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| Video Format          | 1080i59.94, 1080i50 SMPTE-292M  
|                       | 720p59.94, 720p50 SMPTE-292M  
|                       | NTSC, PAL SMPTE-259M |
| Video Compression     | ACT-L5 |
| Color Profile         | 4:2:0, 4:2:2 |
| Reference Input       | Black-Burst or Tri-Sync  
|                       | Enabled or Disabled |
| Audio Out             | SDI Embedded  
|                       | 8 channel Max |
| Streaming Protocol    | UDP, TCP, LDMP |
| Network Interface     | Ethernet RJ-45 x2 port  
|                       | 1G, 100M, 10M |
| Streaming Setting     | Bitrate: 0.5-80Mbps  
|                       | Latency: 0.2-10 sec |
| Management Control    | Console: DVI-D/HDMI, USB Mouse, Keyboard  
|                       | Front Panel LCD and Keypads  
|                       | HTTP Web Access  
|                       | HTTPS Optional Available |
| Encryption            | Optional  
|                       | AES 128-bit Encryption with Symmetric key  
|                       | AES 192/256-bit (with additional restrictions) |
| Operating System      | Linux |
| Dimensions            | Rackmount (1RU)  
|                       | W482mm x D282mm x H44mm  
|                       | 19.0" x 11.1" x 1.7"  
|                       | Weight: 4.7kg, 10.5lbs |
| Power                 | Single Power Supply  
|                       | AC 100-240V 50/60Hz  
|                       | 150W Max |
| Accessory             | ** For 8-ch: 1.0/2.3 to BNC-F cable x 9 |
| Compatibility         | Streambox Encoders, AVENIR Units, Streambox Cloud and Enterprise Servers |