

## Streambox® VETA Video Encoder Transport Amplifier

Designed for live video transport over bonded 2G/3G/4G/LTE networks where there is low cellular signal or from highly. For example: sports stadiums.

StreamboxVETA encoder comes with either 5 or 10 embedded modems including signal amplifier with FCC & CE approvals



### WHAT'S INSIDE VETA?

#### LDMP | ACTL3-AP



Powered by ACTL3-AP Codec + LDMP Reliable Video Transport

### Powered by Streambox ACTL-3 Advanced Profile Codec & Streambox LDMP Network Bonding Technology

All Streambox products are powered by our proprietary codec: ACTL3-AP (Advanced Compression Technology Level 3 - Advanced Profile) and equipped with Streambox exclusive LDMP (Low Delay Multi-Path technology)

#### Micro Encoder

Small low power mobile HD encoder with HDMI or HDSI video capture for HD & SD video streaming over bonded 3G,4G and Wifi networks at same time. Powered by highly efficient ACT-L3 Video CODEC producing high quality HD and SD videos at lower bandwidth with reliable LDMP video transport for streaming over bonded wireless and wired networks.

#### Embedded Modem Module(s)

Standard unit is configured with five 3G,4G LTE embedded modems. Optional add on of five additional embedded modems are available for total of ten embedded modems. Sim slots are accessible on top of VETA enclosure.

#### Magnetic Antenna on Retractable Pole

Multi frequency antenna with magnetic base for easy removal from top of retractable antenna pole that could be place on top of automobile for video streaming from moving vehicle.

## StreamboxVETA Technical Specifications:

|                          |                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Formats            | HD: 1080i/59.94, 1080i/50, 720p/59.94, 720p/50;<br>SD: (NTSC): 525i/59.94, (PAL): 576i/50                                                                                                                                                                                                                                                    |
| Video Encoding           | HD: 1920, 1440, 1280, 960x1080; 1280, 960, 800, 640x720; 1920x540;<br>SD: 720, 528, 480, 352x480; 320x240; 720, 528, 480, 352x576; 320x288;<br>720x240; 720x288                                                                                                                                                                              |
| Compression              | Streambox ACTL3- AP                                                                                                                                                                                                                                                                                                                          |
| Audio Formats            | AAC 1/2/4-channels, CELP, GSM 1-channel                                                                                                                                                                                                                                                                                                      |
| Network Interfaces       | 1x Gigabit Ethernet<br>2x USB 3.0<br>2x WiFi: 1xStreaming, 1xControl (Hotspot) 802.11 a/b/g/n<br>Freq./Power: 2.4 GHz/100 mW   5 GHz / 200 mW<br>Freq./Power for Israel: 2.4 GHz/100 mW   5,15 - 5,35 GHz / 200 mW<br>Support up to 6 external USB modems<br>Modem module (option): 4 embedded 3G/4G/LTE modems up to 6x external USB modems |
| Network Protocol         | LDMP 2.0, UDP, TCP                                                                                                                                                                                                                                                                                                                           |
| Forward Error Correction | Reed-solomon, Parity, Shuffle; adjustable from 0 to 50%                                                                                                                                                                                                                                                                                      |
| Video In                 | HD/SD-SDI and HDMI                                                                                                                                                                                                                                                                                                                           |
| Audio In                 | Embedded SDI Audio - 4ch / HDMI audio - 2ch                                                                                                                                                                                                                                                                                                  |
| Video Post-Filtering     | Interlaced/progressive post filtering, including de-blocking, de-mosquito,                                                                                                                                                                                                                                                                   |
| Metadata                 | and anti-aliasing                                                                                                                                                                                                                                                                                                                            |
| IFB Audio Support        | End-user selectable: Title, Reporter, Location, Group                                                                                                                                                                                                                                                                                        |
| Color Profile            | IFB via USB audio adaptor. Up to 12 channels                                                                                                                                                                                                                                                                                                 |
| User Interface           | 4:2:0, 4:2:2<br>Front LCD screen. 4 LED for status of video, network, streaming and alarm. Remote control via WiFi hotspot, Web browser via local IP and remotely via worldwide management server                                                                                                                                            |
| GPS                      |                                                                                                                                                                                                                                                                                                                                              |
| Connectors               | Via GPS enabled modems and external GPS w/NMEA<br>2x USB 3.0, 1x Micro USB 2.0, BNC, RJ-45, DC-Jack, HDMI-In, OTG (service)                                                                                                                                                                                                                  |
| Storage                  | 30-pin extension connector running 4x USB 2.0 and I2V breakouts                                                                                                                                                                                                                                                                              |
| Operation                | Micro SD slot<br>Front panel buttons for unit information, Start/Stop & custom preset<br>Web user interface for Automatic and Advanced presets selection<br>Automatic presets: Low Delay, Talking Head and Reliable<br>Advanced user selectable: sub second and 2 seconds up to 14 seconds                                                   |
| Physical                 | Store&Forward to Enterprise Server, Cloud Server and S&F Decoder<br>Aluminum chasis: 126 mm W x 128 mm D x 30 mm H<br>4.96 in W x 5.03 in D x 1.81 in H - 440 g / 0.97 lb                                                                                                                                                                    |
| Power                    | Top camera mount screw adapter (3/8"-16 to 1/4"-20)<br>AC Adapter 100-240V 50/60Hz, DC 11-17V, Max. 65W<br>Battery Module - 1-10 hrs (depending on battery type and usage),                                                                                                                                                                  |
| Accesories               | 7V - 17V (10W with WiFi or LAN connection, up to 17W with multiple modems)<br>AC Adapter / DC Vehicle Adapter (optional)<br>Canon LP-E6 hot-swapable battery module - 20Wh, ~ 2hrs (optional)<br>Additional modules available                                                                                                                |