

## Avenir Micro™



- **New integrated mobile hardware built on Qualcomm® Snapdragon™ CPU.**
- **HD-SDI & HDMI video capture integrated into mobile hardware.**
- **Small form factor, lightweight device weighing 320 grams.**
- **Supports additional modules:**
  - **USB Modem Module**
  - **Embedded Modem Module**
  - **Battery Module.**
- **Universal mount allows mounting on camera hotshoe and stationary tripod.**

### LDMP | ACT-L3



Powered by **ACT-L3** Codec +  
**LDMP** Reliable Video Transport

### Powered by Streambox ACTL3-AP Codec & Streambox LDMP 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)

### Deployment

The Avenir Micro provides highly efficient encoding for HD and SD broadcasting seamlessly via Streambox Enterprise Server or Streambox Cloud Services for local, regional or worldwide deployments.

### Infrastructure

The Avenir Micro performs as a dedicated portable encoder for live video transmissions bonding any available network connections (3G/4G, LTE, WiFi, LAN, BGAN, and USB mobile modems). The Avenir Micro supports GPS tracking and remote mapping.

### First/Last Mile

The Avenir Micro bonds all available networks using Streambox exclusive LDMP technology to deliver quality video with low latency. Stream from the Avenir Micro to Decoder, Streambox Enterprise Server or Streambox Cloud to receive, archive and route the video for payout.

## Avenir Micro Technical Specifications:

Video Formats	HD: 1080i/59.94, 1080i/50, 720p/59.94, 720p/50; SD: (NTSC): 525i/59.94, (PAL): 576i/50
Video Encoding	HD: 1920, 1440, 1280, 960x1080; 1280, 960, 800, 640x720; 1920x540; SD: 720, 528, 480, 352x480; 320x240; 720, 528, 480, 352x576; 320x288; 720x240; 720x288
Compression	Streambox ACTL3- AP
Audio Formats	AAC 1/2/4-channels, CELP, GSM 1-channel
Network Interfaces	1x Gigabit Ethernet 2x USB 3.0 2x WiFi (2.4 GHz, 5 GHz, 802.11 a/b/g/n)(1xStreaming, 1xControl) High gain antenna array for Dual-WiFi Antenna Support for up to 6 external USB modems Modem module (option): Up to 4 embedded 3G/4G/LTE modems or 4x 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, HDMI audio
Video Post-Filtering	Interlaced/progressive post filtering, including de-blocking, de-mosquito, and anti-aliasing
Metadata	End-user selectable: Title, Reporter, Location, Group
IFB Audio Support	IFB over Bluetooth 4.0 up to 12 channels
Color Profile	4:2:0, 4:2:2
User Interface	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	GPS Support with remote mapping (NMEA supported)
Connectors	2x USB 3.0, 1x Micro USB 2.0, BNC, RJ-45, DC-Jack, HDMI-In, OTG (service) 30-pin extension connector with 4x USB 2.0, RS-232, and 12V breakouts
Storage	Micro SD slot
Operation	Front pannel buttons for unit information, Start/Stop & custom preset Web user interface for Automatic and Advanced presets selection Automatic presets: Low Delay, Talking Head and Reliable Advanced user selectable: sub second and 2 seconds up to 14 seconds Store&Forward to Enterprise Server, Cloud Server and S&F Decoder
Physical	Micro (Aluminum): 117(126)W x 121(128)D x 30H (4.61(4.96)inW x 4.76(5.04)inD x 1.81H) 0.5kg 1.1lb Drone (Plastic): 117(126)W x 121D x 30H (4.61(4.96)inW x 4.76inD x 1.81H) 0.4kg 0.9lb Top camera mount screw adapter (3/8"-16 to 1/4"-20) AC Adapter 100-240V 50/60Hz, DC 11-17V, Max. 65W
Power	Battery Module - 1-10 hrs (depending on battery type and usage), 7V - 17V (10W with WiFi or LAN connection, up to 17W with multiple modems)
Accessories	AC Adapter DC Vehicle Adapter (optional) Streambox Signal Extender (SSE) - SSE 1.6, SSE 4 USB, SSE 10 USB, SSE2.0 (optional) Anton Bauer Battery Module - 2,000 to 10,000 mAh (optional) Canon LP-E6 hot-swapable battery module - 20Wh, ~ 2hrs (optional) Modem Module - Up to 4 embedded 3G/4G/LTE modems (optional)