

Overview:

The MuxLab “Single Camera Live Streaming Solution” (model 500786) includes the main components needed to broadcast live content to mass recipients spread out across the globe. The solution allows live presentations to effectively be streamed over the Internet at up to 4K, and can work with industry standard broadcast streaming services such as YouTube, Facebook, Wowza, to name a few, and also works with popular Audio/Video content production software tools such as OBS, Wirecast, and others.

The kit comes complete with an AV over IP H.264/H.265 4K Transmitter to stream content to Broadcasting Services, an HDMI/IP PTZ camera @ 1080p/60, a wireless Lav Mic system, an intuitive Control App to manage the system, and a 6.6ft (2m) Premium Certified HDMI 2.0 cable

The MuxLab MuxStream Control App is free to download, available for iOS and Android tablets, and Windows PC. The Control App manages the system setup, configures the Transmitter to stream to various broadcast services such as YouTube, Facebook and Wowza, and manages camera settings (such as PTZ). The AV over IP H.264/H.265 4K Transmitter supports up to 4K video @ 30Hz and may be located up to 330ft (100m) from an Ethernet network switch and supports PoE (but a PSU is included) and supports low bandwidth for streaming AV content over the Internet .

Applications:



- Live AV presentation broadcasts over the Internet
- Live AV streaming to YouTube, Facebook and Wowza
- Streaming to OBS and Wirecast AV content production tools
- Ideal for House of Worship, Fitness Training, Cooking Classes, etc.



+ **MuxStream App**

Key Features:

- AV over IP Transmitter supports up to 4K @ 30Hz (4:4:4) video streams
- Low bandwidth streaming via an H.264/265 video codec, excellent for LAN & Internet transmission
- High image quality and <200ms latency in low latency mode with H.265
- Supports Multicast, RTSP, RTMP, HLS, FLV and TS
- Includes an HDMI/IP Camera @ 1080p/60
- Includes wireless clip-on Lav (Lavalier) Mic with transmitter and receiver
- AV over IP Transmitter includes PSU, but may be PoE powered
- Managed via free to download MuxLab MuxStream Control App, available for iOS and Android tablets, and Windows PC

Specifications	
Environment	HDMI 1.4
Signals	HDMI 1.4 and HDCP 1.4
Video Bandwidth	300MHz
Network Bandwidth	Up to 40Mbps (max)
Latency	<200ms (in low latency mode with H.265)
Protocols	Multicast, RTSP, RTMP (H.264), HLS, FLV (H.264) & TS
Maximum Distance (Ethernet Signal)	Cat5e/6: 330ft (100m) from Ethernet Switch. Unlimited over the Internet <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i>
Ethernet RJ45 Pin Configuration	RJ45 Link Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T) <div style="display: flex; justify-content: space-around; align-items: center;">   </div>
Power Source	The devices come with a power source where applicable. The 4K H.264/H.265 Transmitter also supports PoE (PD) and may be powered via a PoE (PSE) Ethernet Switch.
PoE	IEEE 802.3af
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500786 Single Camera Live Streaming Solution (UPC: 627699907863)

Typical Application

