



# FIXED LOCATION CONTRIBUTION SOLUTIONS

## 4K encoders for point-to-point transmission

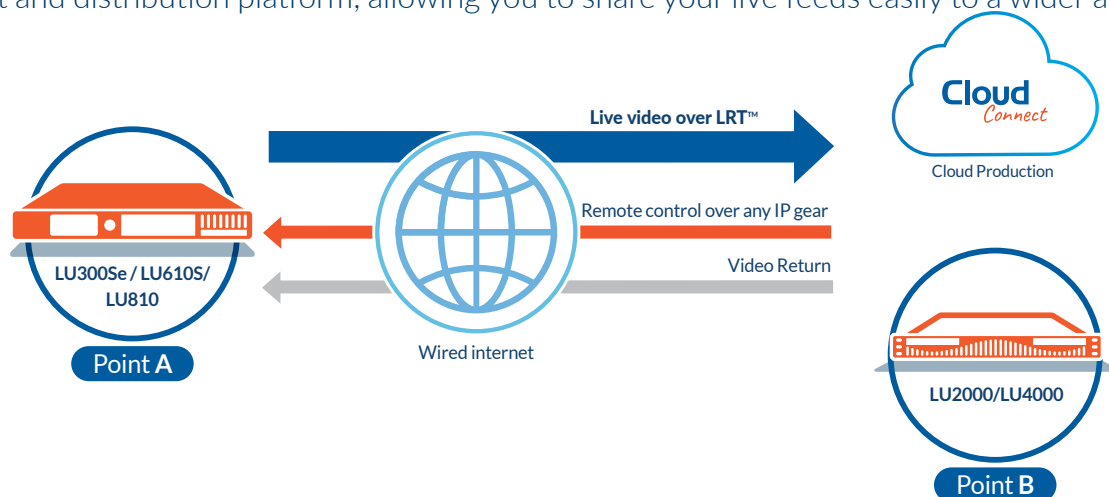


LiveU's family of fixed location encoders enables resilient broadcast-grade live video transmission point-to-point and point-to-multipoint. Leveraging LiveU's Reliable Transport protocol (LRT™), the solution provides bonding **over wired internet**. Choose between a single-camera LU610S, LU300Se or synchronized multi-camera (LU810) configuration, as required.


Highly cost-effective alternatives for fiber and satellite-based productions, they support broadcast-grade, low-delay live video transmission between stations or from venues/stadiums to the remote production center.

Remotely control all your LiveU solutions from anywhere via the **LiveU Central** cloud management platform. Using its intuitive interface, you can easily monitor, view and manage all your video transmissions.

LiveU's fixed location encoders can also serve as a content source for the LiveU Matrix cloud IP management and distribution platform, allowing you to share your live feeds easily to a wider audience.



# TECHNICAL SPECIFICATIONS

	LU300Se Single camera	LU610S Single camera	LU810 Multi-camera 
<b>VIDEO RESOLUTIONS</b>	4Kp50/60/25/30/24, 1080p50/60/25/30/24, 1080i50/60, 720p50/60, PAL, NTSC		
<b>VIDEO INTERFACES</b>	12G/3G/HD/SD-SDI and HDMI 2.0		1x 12G + 3x 3G/HD/SD-SDI
<b>VIDEO ENCODER</b>	H.265/HEVC, H.264		
<b>FORM FACTOR</b>	Compact unit	1U rackmount	
<b>AUDIO ENCODER</b>	AAC-HE/LC – up to 8 audio channels		AAC-HE/LC – up to 16 audio channels
<b>SIMULTANEOUS BONDING</b>	1x Ethernet ports for connection to LAN and satellite (BGAN/KA/KU over IP), WiFi, 2x USB for connection to 4G/5G cellular modems		
<b>OPERATIONAL MODES</b>	<p>Live: low latency or maximum quality modes</p> <p>Live and Store: live streaming with local high-quality recording on unit</p> <p>Store and Forward: three quality-levels (for optimal quality vs speed)</p> <p>FTP: bonded file transfer</p> <p>DataBridge: high-speed mobile broadband connectivity from the unit</p>	<p>Live: low latency or maximum quality modes</p> <p>Live and Store: live streaming with local high-quality recording on unit</p> <p>Store and Forward: three quality-levels (for optimal quality vs speed)</p> <p>FTP: bonded file transfer</p> <p>DataBridge: high-speed mobile broadband connectivity from the unit</p> <p>Video Return: sub-second video return over an external HDMI</p> <p>Audio Connect Intercom</p>	<p>Live: low latency or maximum quality modes</p> <p>Live and Store: live streaming with local high-quality recording on unit</p> <p>Store and Forward: three quality-levels (for optimal quality vs speed)</p> <p>FTP: bonded file transfer</p> <p>DataBridge: high-speed mobile broadband connectivity from the unit</p> <p>Video Return: sub-second video return over an external HDMI</p> <p>Multi-Camera: Multi-HQ and Switcher mode</p>
<b>MULTI-DESTINATION OUTPUT</b>	Diverse A/V output destination: simultaneous streams to SDI and CDNs on the server side		
<b>UNIT CONTROL</b>	Local: full monitoring and control using unit's local interface Remote: full control through LiveU Central management platform		
<b>RESILIENCY AND QUALITY</b>	Includes LiveU Reliable Transport (LRT™), featuring proprietary algorithms such as automatic Adaptive Bit Rate (ABR), automatic Forward Error Correction (FEC) and other packet loss recovery mechanisms		
<b>NETWORK INTERFACES</b>	1 RJ-45 Ethernet ports and 2.4/5GHz WiFi (802.11 a/b/g/n/ac)		
<b>OTHER INTERFACES</b>	2x USB 2.0, 3.5mm audio jack, SD card slot	2x USB 2.0, 3.5mm audio jack, min-XLR audio out, full size SD card slot, 2x RP-SMA WiFi, full size HDMI out	
<b>DIMENSIONS</b>	112.5mm x 203mm x 54.5mm / 4.4" x 8" x 2.1" (W x H x D)	Industry-standard 1U rackmount server: 44 H x 436 W x 280 D (mm) / 1.73" H x 17.17" W x 11.02" D (in)	
<b>WEIGHT</b>	1Kg (35oz)	5Kg (176oz)	
<b>VIBRATION</b>	MIL-STD-810G method 514.6   Category 4		
<b>TEMPERATURE</b>	Operating: -5C to +45C (23F to 113F)		
<b>POWER</b>	DC: 12V to 19V	Dual power support: AC: 100VAC to 240VAC ~0.8A 50/60Hz DC: 12V to 19V @4A Power consumption <32W	Dual power support: AC: 100VAC to 240VAC ~0.8A 50/60Hz DC: 12V to 19V @4A Power consumption <40W

## IP CONTRIBUTION FROM ANYWHERE

Portable

Vehicle

Fixed locations

[www.liveu.tv](http://www.liveu.tv) | [www.facebook.com/liveu.fans](https://www.facebook.com/liveu.fans) | [www.twitter.com/liveu](https://www.twitter.com/liveu)

LiveU Inc. | 2 University Plaza, Suite 505, Hackensack, New Jersey 07601, USA | Tel: 1-(201)-742-5229 | [www.liveu.tv/contact-us](http://www.liveu.tv/contact-us)