



# FIXED LOCATION CONTRIBUTION ENCODERS



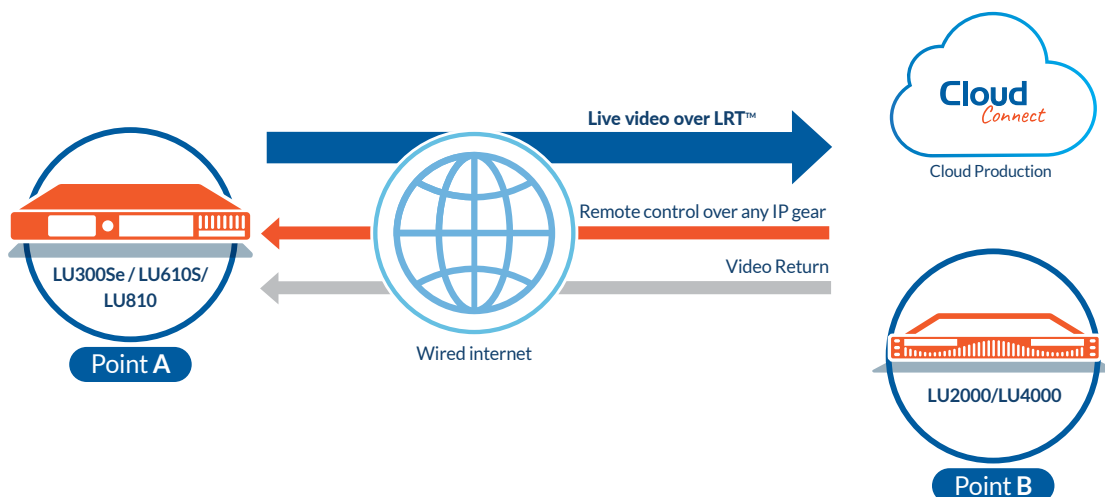
## LU300Se, LU610S and LU810 encoders for point-to-point transmission

LiveU's family of fixed location encoders enables resilient broadcast-grade live video transmission point-to-point and point-to-multipoint. Choose between a single-camera (LU610S, LU300Se) or synchronized multi-camera (LU810) configuration, as required.


Leveraging LiveU's Reliable Transport protocol (LRT™), the encoders provide the latest bonding technology **over wired internet**. LiveU encoders offer a highly cost-effective alternative for fiber and satellite-based productions, transmitting broadcast grade, low delay live video transmission between stations and from venues/stadiums to the remote production center.

Remotely control all your LiveU units and workflows 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 contribution encoders can also serve as a content source for the LiveU Matrix cloud IP video distribution solution, allowing you to share your live feeds easily to a wider audience.



## TECHNICAL SPECIFICATIONS

	<b>LU300Se</b> Single camera	<b>LU610S</b> Single camera	<b>LU810</b> 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 + HDMI 2.0		1x 12G + 3x 3G/HD/SD-SDI
<b>VIDEO ENCODER</b>	H.265/HEVC, H.264, 1x video channel up to 4K		H.265/HEVC, H.264, 4x 1080P or 1x 4K video channel
<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 port for connection to LAN and satellite (BGAN/KUover IP), WiFi	2x Ethernet ports for connection to LAN and satellite (BGAN/KUover IP), WiFi	
<b>OPERATIONAL MODES</b>	Live: low latency or maximum quality modes Live and Store: live streaming with local high-quality recording on unit Store and Forward: three quality-levels (for optimal quality vs speed) FTP: bonded file transfer DataBridge: high-speed mobile broadband connectivity from the unit Audio Connect Intercom	Live: low latency or maximum quality modes Live and Store: live streaming with local high-quality recording on unit Store and Forward: three quality-levels (for optimal quality vs speed) FTP: bonded file transfer DataBridge: high-speed mobile broadband connectivity from the unit Video Return: sub-second video return over an external HDMI Audio Connect Intercom	Live: low latency or maximum quality modes Live and Store: live streaming with local high-quality recording on unit Store and Forward: three quality-levels (for optimal quality vs speed) FTP: bonded file transfer DataBridge: high-speed mobile broadband connectivity from the unit Video Return: sub-second video return over an external HDMI Audio Connect Intercom Multi-Camera: Multi-HQ and Station switcher mode
<b>PERSISTENT TRANSMISSION</b>	NA	Persistent mode – ensure a stable 24/7 stream by activating the unit from anywhere, following unit power up, via LiveU Central management platform	
<b>UNIT CONTROL</b>	LiveU Central management system and local display screen		
<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)	2 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)	44 H x 436 W x 280 D (mm) / 1.73" H x 17.17" W x 11.02" D (in) (W x H x D)	
<b>WEIGHT</b>	900g (2 lb)	~5Kg (11 lb)	
<b>VIBRATION</b>	MIL-STD-810G method 514.6   Category 4		
<b>TEMPERATURE</b>	Operating: -5C to +45C (23F to 113F)f		
<b>POWER</b>	DC: 12V to 19V	Dual power source: AC: 100VAC to 240VAC ~0.8A 50/60Hz DC: 12V to 19V Power consumption <35W	Dual power source: AC: 100VAC to 240VAC ~0.8A 50/60Hz DC: 12V to 19V Power consumption <50W

## 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)

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