



VEHICLE CONTRIBUTION ENCODERS

LU610S-M and LU810-M rackmount encoders

Resilient live transmission
from your production vehicle



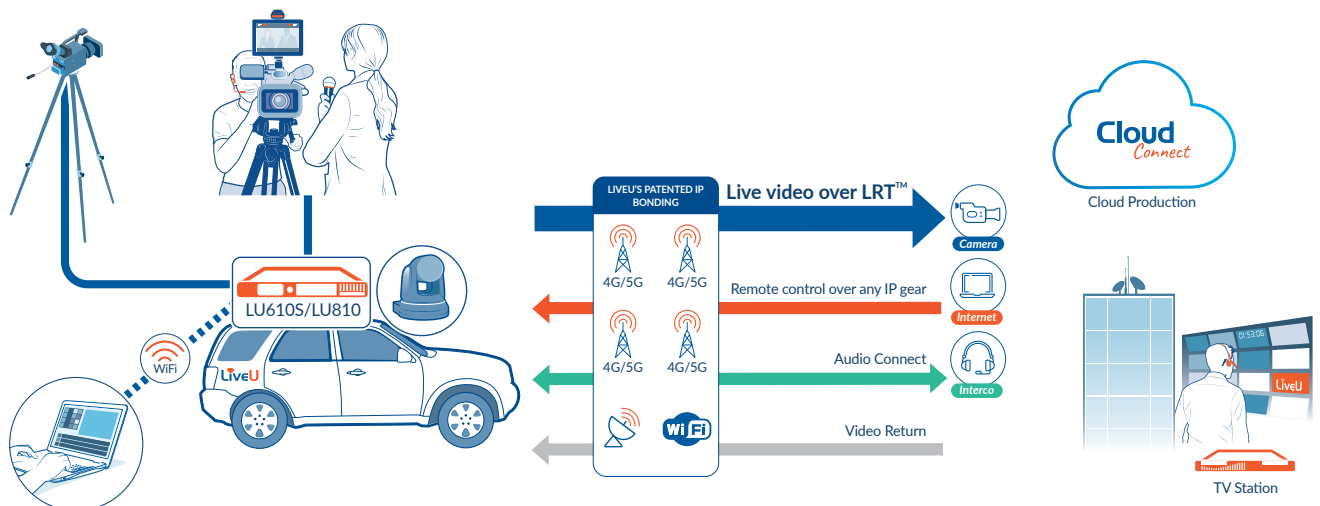
LiveU's family of vehicle encoders enables resilient broadcast-grade live video transmission from your vehicle to your production studio as part of a REMI (remote production) workflow. Choose between a single-camera (LU610S) or synchronized multi-camera (LU810) configuration, as required.

Leveraging LiveU's Reliable Transport protocol (LRT™), the solution flexibly adapts to your location connectivity constraints by bonding **multiple internal 5G/4G modems**, WiFi, wired and satellite IP modems to achieving the highest resiliency and video quality of up to 4K, with the lowest transmission delay in any scenario. Transmission costs can also be optimized using LiveU's least cost bonding feature, with different bonding priorities managed under the changing bandwidth conditions of the available connections.

Both encoders support LiveU's suite of remote production tools including IP Pipe, Video Return and Audio Connect, providing a complete field production solution by easily collaborating with your home studio.

Remotely control your LiveU units and workflow 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

	LU610S-M Single camera	LU810-M Multi-camera
VIDEO RESOLUTIONS	4Kp50/60/25/30/24, 1080p50/60/25/30/24, 1080i50/60, 720p50/60, PAL, NTSC	
VIDEO INTERFACES	12G/3G/HD/SD-SDI + HDMI 2.0	1x 12G + 3x 3G/HD/SD-SDI
VIDEO ENCODER	H.265/HEVC, H.264, 1x video channel up to 4K	H.265/HEVC, H.264, 4x 1080P or 1x 4K video channel
AUDIO ENCODER	AAC-HE/LC – up to 8 audio channels	AAC-HE/LC – up to 16 audio channels
FORM FACTOR	Compact 1U rackmount	
SIMULTANEOUS BONDING	6x internal 4G/5G modems, 2x Ethernet ports for connection to LAN and satellite (BGAN/KU over IP), WiFi	
OPERATIONAL MODES	Live: ultra-low latency mode Live & Store: live streaming with local high-quality recording on unit Store and Forward: three quality-levels Bonded file transfer DataBridge: high-speed mobile broadband connectivity Video Return: sub-second video return over an external HDMI Audio Connect Intercom	Live: ultra-low latency mode Live & Store: live streaming with local high-quality recording on unit Store and Forward: three quality-levels Bonded file transfer DataBridge: high-speed mobile broadband connectivity Video Return: sub-second video return over an external HDMI Audio Connect Intercom Multi-Camera: Multi-HQ and Station switcher mode
PERSISTENT TRANSMISSION	Persistent mode – ensure a stable 24/7 stream by activating the unit from anywhere, following unit power up, via LiveU Central management platform	
AUTO POWER UP	Power-on feature suitable for automatic vehicle operation (power-on with vehicle)	
UNIT CONTROL	LiveU Central management system and local display screen	
RESILIENCY AND QUALITY	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	
NETWORK INTERFACES	2 RJ-45 Ethernet ports and 2.4/5GHz WiFi (802.11 a/b/g/n/ac)	
OTHER INTERFACES	2x USB 2.0, 3.5mm audio jack, min-XLR audio out, full size SD card slot, full size HDMI out. Antennas ports: 2x RP-SMA Wi-Fi + 12x SMA for cellular	
DIMENSIONS	Compact 1U rackmount 44 H x 436 W x 280 D (mm) / 1.73" H x 17.17" W x 11.02" D (in)	
WEIGHT	~5Kg (11 lb)	
VIBRATION	MIL-STD-810G method 514.6 Category 4	
TEMPERATURE	Operating: -5C to +45C (23F to 113F)	
POWER	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

www.facebook.com/liveu.fans

www.twitter.com/liveu