



# VEHICLE CONTRIBUTION SOLUTIONS

## 5G 4K rackmount encoders

Resilient live transmission  
from your production vehicle

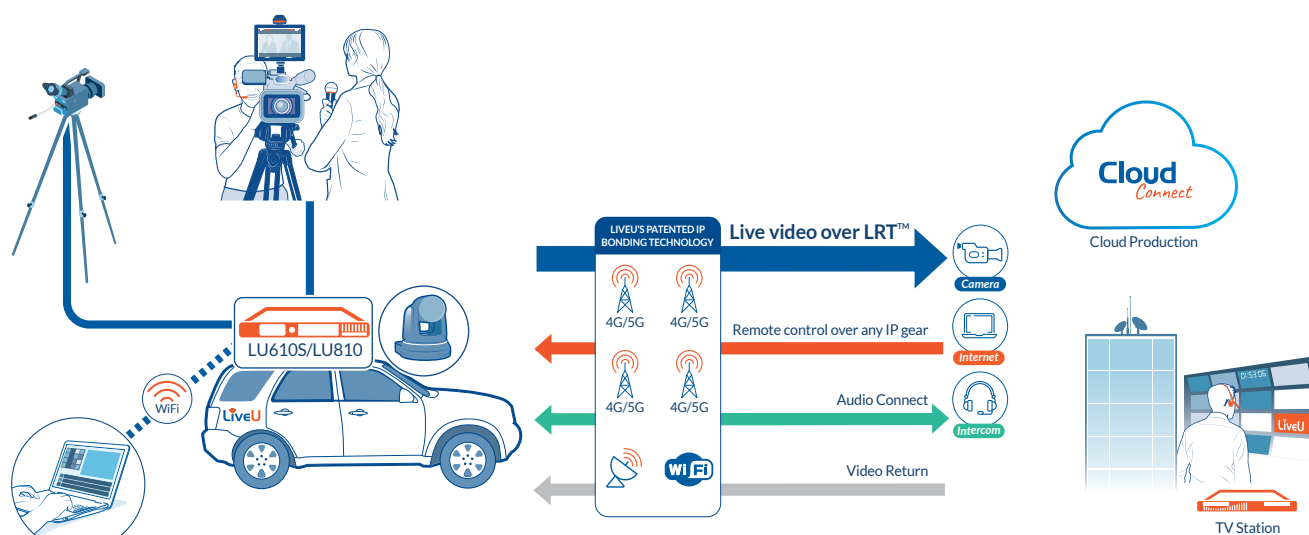


LiveU's family of vehicle encoders enables resilient broadcast-grade live video transmission from your vehicle to your production studio as part of a REMI (remote production) workflow. Leveraging LiveU's Reliable Transport protocol (LRT™), the solution bonds **multiple internal 5G/4G modems**. Choose between a single-camera (LU610S) or synchronized multi-camera (LU810) configuration, as required.

Flexibly adapting to your location needs, LiveU's vehicle encoders enable you to easily switch between bonded cellular, wired and satellite connectivity to achieve the highest quality, lowest delay transmission in any scenario. Transmission quality and costs can also be optimized using LiveU's least cost bonding feature, with different priorities managed under the changing bandwidth conditions.

Both encoders support LiveU's suite of remote production tools including IP Pipe, Video Return, Tally Light and Audio Connect, providing a complete field production solution directly from your van.

Remotely control 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.



## TECHNICAL SPECIFICATIONS

	<b>LU610S-M</b> Single camera	<b>LU810-M</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 and HDMI 2.0	1x 12G + 3x 3G/HD/SD-SDI
<b>VIDEO ENCODER</b>	H.265/HEVC, H.264	
<b>AUDIO ENCODER</b>	AAC-HE/LC – up to 8 audio channels	AAC-HE/LC – up to 16 audio channels
<b>FORM FACTOR</b>	1U rackmount	
<b>SIMULTANEOUS BONDING</b>	2x Ethernet ports for connection to LAN and satellite (BGAN/KA/KU over IP), WiFi, 2x USB for connection to cellular modems, 6 internal cellular modems	
<b>OPERATIONAL MODES</b>	Live: ultra-low latency mode Live and 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 and 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 Multi-Camera: Multi-HQ and Switcher mode
<b>MULTI-DESTINATION OUTPUT</b>	Diverse A/V output destination: simultaneous streams to SDI and CDNs on the server side	
<b>AUTO POWER UP</b>	Power-on feature suitable for automatic vehicle operation (power-on with vehicle)	
<b>UNIT CONTROL</b>	Local: full monitoring and control using unit's local display screen 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>	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, min-XLR audio out, full size SD card slot, full size HDMI out. Antennas ports: 2x RP-SMA Wi-Fi + 12x SMA for cellular	
<b>DIMENSIONS</b>	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>	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>	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)