

The LiveU logo features the word "LiveU" in a white, sans-serif font. A red Wi-Fi signal icon is positioned above the letter "i".The product name "LU610S" is displayed in a large, bold font. "LU" is in orange, "610" is in white, and "S" is in white with an orange background.

PROFESSIONAL HEVC SINGLE CAMERA RACKMOUNT ENCODER

Transmit broadcast-grade video feeds for outstanding live coverage



With a growing number of live events, you need the widest choice of production tools to match your changing needs. Enrich your production toolbox with the LiveU LU610S, providing the latest production-level quality in a 1U form factor, applicable for both vehicle and fixed location productions in any scenario.

LiveU encoders offer a highly cost-effective alternative for fiber and satellite-based productions, transmitting resilient broadcast grade, and low delay live video coverage.

Leveraging LiveU's Reliable Transport protocol (LRT™), the LU610S provides the latest bonding technology over either wired internet or cellular. Take advantage of the LiveU Global IP* service to deploy the **hybrid mode**, combining both cellular and IP satellite connections for super-resilient transmissions.

Flexible bonding

- 6 internal 5G modems with external antennas (optional)
- 2 Ethernet
- WiFi
- Network prioritization

Professional video quality

- HEVC broadcast-grade encoder
- Up to 4Kp60**
- 10-bit HDR**

Efficient operations

- LiveU Central intuitive cloud management platform

Outstanding field collaboration

- LiveU DataBridge
- Audio Connect
- IP Pipe
- Video Return

Compact size

- 1U form factor
- 11.02" / 280 (mm) depth



* Global IP currently available only in the US region

** Available with SW license upgrade

TECHNICAL SPECIFICATIONS

	LIVEU LU610S Wired internet	LIVEU LU610S-M Cellular based
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	
VIDEO ENCODER	H.265/HEVC, H.264, 1x video channel up to 4K	
AUDIO ENCODER	AAC-HE/LC – up to 8 audio channels	
SIMULTANEOUS BONDING	Up to 3 connections: 2x Ethernet ports for connection to wired internet and satellite (BGAN/KU over IP), WiFi	Up to 9 connections: 6x internal 5G modems, 2x Ethernet ports for connection to wired internet and satellite (BGAN/KU over IP), WiFi
OPERATIONAL MODES	Live: ultra-low latency transmission Live & Store: live streaming with local high-quality recording on unit Store & Forward: stream in 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	
AUTO POWER UP	Power-on feature suitable for automatic vehicle operation (power-on with vehicle)	
PERSISTENT TRANSMISSION	Persistent mode – ensure a stable 24/7 stream by activating the unit from anywhere, following unit power up, via LiveU Central cloud management platform	
UNIT CONTROL	LiveU Central management system, LiveU Control app 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	2x 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	
TEMPERATURE	Operating: -5C to +45C (23F to 113F)	
POWER	Dual power source: AC: 100V to 240V DC: 12V to 19V Power consumption <35W	

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