

LiveU

LU810

PROFESSIONAL HEVC MULTI-CAMERA RACKMOUNT ENCODER

Transmit multiple 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 LU810, providing the latest production-level multi-camera capabilities 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 LU810 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 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 LU810 Wired internet | LIVEU LU810-M Cellular based |
|-------------------------|---|---|
| VIDEO RESOLUTIONS | 4Kp50/60/25/30/24, 1080p50/60/25/30/24, 1080i50/60, 720p50/60, PAL, NTSC | |
| VIDEO INTERFACES | 1x 12G + 3x 3G/HD/SD-SDI | |
| VIDEO ENCODER | H.265/HEVC , H.264, 4x 1080P or 1x 4K video transmission | |
| AUDIO ENCODER | AAC-HE/LC – up to 16 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 4G/5G modems, 2x Ethernet ports for connection to wired internet and satellite (BGAN/KU over IP), WiFi |
| OPERATIONAL MODES | Live: single or multi-camera ultra-low latency transmission Live & Store: single live streaming with local high-quality recording on unit Store and Forward: single 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 Multi-camera: Multi-HQ and Station switcher mode 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 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. | |
| 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 <50W | |