# LU200e

## LiveU's Cost-effective Contribution Video Encoder



The LU200e is the most cost-effective contribution video encoder on the market, enabling streaming for web distribution, point to point, and point to multipoint for a fraction of the cost of other solutions.

Weighing just over 500 grams (1 lb) the LU200e provides a highly cost-effective and easy-to-use unit for live video transmission anywhere in the world. The LU200e includes LiveU's patented reliable streaming with forward error correction at no extra cost, and provides the highest quality and lowest latency video even over unreliable networks such as the public internet.

The LU200e has built-in, fully enabled bonding, and allows the use of multiple network paths to increase the available throughput from remote locations. You can add 3G and 4G modems to further broaden the available network spectrum for the device.

The LU200e integrates seamlessly with LiveU's multi-layered live video ecosystem and can be locally or remotely managed via LiveU Central, the unified management platform for LiveU's field-units. In conjunction with LiveU Central, the LU200e allows broadcasters to acquire both live and recorded content from the field, preview it centrally or remotely, broadcast it live or in scheduled programming and distribute it to any location.

# LU200 Technical Specifications

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| **PRODUCT** | **INTEGRATED UNIT** | Audio / video encoder, micro SD card, internal battery |
| | **PORTABILITY** | Professional-grade custom designed form factor, side-pouch with belt-attachment |
| **VIDEO INPUT** | RESOLUTIONS | 1080p50/60/25/30/24, 1080i50/60, 720p50/60/25/30/24, PAL, NTSC |
| | HW INTERFACES | 3G/HD/SD-SDI, HDMI 1.4 |
| **AUDIO/VIDEO ENCODING** | **VIDEO ENCODER** | H.264 AVC high profile |
| | **AUDIO ENCODER** | AAC-LC |
| | VIDEO TRANSPORT | RTP |
| **INTEGRATED BONDED INTERFACES** | SIMULTANEOUS BONDING | Up to 4 network links; including 2 x USB for connection to 3G/4G cellular modems + internal Wi-Fi and Ethernet |
| | SUPPORTED TECHNOLOGIES | 4G LTE, HSPA+, HSUPA, HSDPA, UMTS, CDMA EVDO Rev 0/A/B, Mobile WiMAX, and internal Wi-Fi 802.11 a,b,g & n support |
| **OPERATIONAL MODES** | MULTI-PROFILE SELECTION | Low latency mode<br>Maximum Quality mode for increased compensation in noisy networks |
| | MULTI-TARGET OUTPUT | Diverse A/V output through SDI and H.264 streams including connectivity for CDNs |
| **POWER** | POWER SOURCES | Internal battery - 2 hours |
| **USER INTERFACE** | **LOCAL CONTROL** | Full monitoring and control using local screen and joystick interface |
| | REMOTE CONTROL | Full control through LiveU Central with desktops, laptops, smartphones, or tablets, via any web browser |
| | **PREVIEW** | Video preview; per-network cellular connectivity status including throughput, network delay etc. |
| **RICH FEATURE SET** | 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 lost packet recovery algorithms; Video encoding bit rate is set automatically |
| | PROFESSIONAL FEATURES | End-to-End Low latency mode; Store & Forward; file transfer (FTP); video and audio indicators |
| **PHYSICAL & INTERFACES** | **DATA** | 2 x USB 2.0, Mini-USB, RJ-45 Ethernet, 3.5mm out audio jack, micro SD |
| | DIMENSIONS | 95mm x 132mm x 43mm / 3.7" x 5.19" x 1.7" (W x H x D) |
| | **WEIGHT** | 518g (1.14 lb) with battery |
| | TEMPERATURE | Operating: -5C to +45C (23F to 113F) |

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