

LU200

Ultra-Small Field Unit, Compatible with Any Camera



The new LU200 ultra-small unit is the first of its kind, standing in a category of its own within the broadcast market. The LU200 fills out LiveU's solutions for broadcasters, while offering an attractive price, form-factor and performance for other markets.

Weighing just over 500 grams (1.1 lbs) and available in a pouch or camera-mount configuration, the LU200 provides a highly cost-effective and easy-to-use unit for live video transmission anywhere in the world. The LU200 supports two 4G LTE/3G modems together with WiFi and LAN connections and includes LiveU's proprietary antenna modules for extra resiliency.

This two-modem bonded solution is compatible with any camera and is ideal for broadcasts on the fly. The flexible LU200 can also serve as a stand-alone video encoder or be used as a LiveU DataBridge mobile hotspot for general connectivity in the field.

The LU200 is fully incorporated 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. As the hub for video ingestion, LiveU Central 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, cellular & wireless modems, internal battery |
| | PORTABILITY | Custom design, professional-grade side-pouch, belt-attachment or camera mounted |
| 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 6 network links; inc. 2 x integrated 4G LTE / 3G cellular or WiMAX 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 |
| PROPRIETARY RF TECHNOLOGY | ANTENNA ARRAYS | Benefits in video quality, resiliency, coverage, operation in areas of poor coverage, on-the-drive, and even in crowded areas. Enhanced support for all common wireless frequencies including LTE |
| OPERATIONAL MODES | MULTI-PROFILE SELECTION | Low latency mode 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 touch-screen UI |
| | REMOTE CONTROL | Full web-based remote control from smart phones, laptops, tablets or web browsers |
| | PREVIEW | Video preview; per-network cellular connectivity status incl. throughput, network delay etc. |
| RICH FEATURE SET | RESILIENCY AND QUALITY | 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 | Low latency for studio interviews; Store & Forward; file transfer (FTP); video and audio indicators |
| PHYSICAL & INTERFACES | DATA | 2 x USB 2.0, miniUSB, RJ-45 Ethernet, 3.5mm in/out audio jack, 2 SIM cards |
| | DIMENSIONS | 95mm x 160mm x 43mm / 3.7" x 6.3" x 1.7" (W x H x D) |
| | WEIGHT | 568g (1.25lbs) with two modems and battery |
| | TEMPERATURE | Operating: -5C to +45C (23F to 113F) |

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