

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

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 local screen and joystick interface
	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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