



LU300e HEVC

## POWERFUL COMPACT HEVC VIDEO ENCODER

The LU300e is the most reliable, small-sized HEVC contribution encoder, enabling streaming for web distribution, point to point, and point to multi-point for a fraction of the cost of other solutions.

With LiveU's professional-grade hardware HEVC technology at its core, the LU300e combines high-quality video performance with extreme bandwidth efficiency. Content creators can provide the same video quality as H.264 while using about half the bandwidth. In cases where original H.264 bitrate is maintained, the LU300e HEVC offers greatly improved video quality.

Unlike software HEVC solutions, the LU300e can encode in HEVC format at all times, allowing users to operate in real-time with extreme low latency and the highest quality, even at very low bitrates. The LU300e offers longer battery time with a three-hour internal battery.

Weighing just over 900 grams (2 lbs), the LU300e bonds up to four connections: two LTE-Advanced external modems, WiFi and LAN.

Live & Store functionality enables users to upload high quality stored copies of the live video immediately after live sessions. Highly flexible, the LU300e can also serve as a standalone video encoder or be used as a LiveU DataBridge mobile hotspot for general connectivity in the field.

With its new design, the LU300e offers an enlarged 2.2" display with improved resolution, dramatic improvement in visibility under sunlight conditions and a new JOG wheel controller for easier control of the unit. Additional enhancements include a stronger CPU for super-fast file upload.



# HEVC CORE. SMALLEST FOOTPRINT.

Technical Specifications	
VIDEO RESOLUTIONS	1080p50/60/25/30/24, 1080i50/60, 720p50/60/25/30/24, PAL, NTSC
VIDEO INTERFACES	3G/HD/SD-SDI, HDMI 1.4
VIDEO ENCODER	HEVC/H.265, H.264
AUDIO ENCODER	AAC-HE/LC, 2/4 audio channels
PORTABILITY	Professional-grade side-pouch and belt-attachment
BONDING	Up to 4 network links: 2 x external cellular modems, internal WiFi and Ethernet
SERVER OUTPUT	Diverse A/V output through SDI and H.264 streams including connectivity for CDNs; MPEG-TS and NDI options for IP streams
POWER SOURCES	3 hour internal battery
LOCAL CONTROL	Full monitoring and control using local 2.2" display and user friendly rotating jog wheel
REMOTE CONTROL	Full web-based remote control from the LiveU Control App or any web browser, QR code pairing
DISPLAY INFORMATION	Video preview; per-network cellular connectivity status incl. throughput, network delay etc.
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
MODES	Live, Store & Forward (two quality levels), File transfer (FTP), DataBridge with access point
INTERFACES	2 x USB 2.0, RJ-45 Ethernet, 3.5mm in/out audio jack, micro-SD card, micro USB
WIRELESS INTERFACES	WiFi 802.11 a,b,g,n,ac support with internal MIMO antennas
DIMENSIONS	124mm x 190mm x 55mm / 4.9" x 7.5" x 2.1" (W x H x D)
WEIGHT	916g (2lbs) with battery
TEMPERATURE	Operating: -5C to +45C (23F to 113F)
Add-on Features (included as standard in US)	
STORE & FORWARD	Additional super-high quality level
LIVE & STORE	Perfect-quality encoding to local storage in parallel to live transmission
AUDIO CHANNELS	4 audio channels

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