



1080i

75%

LIVE 1.5 sec

TV6 Newsroom

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LU300 5G HEVC

POWERFUL COMPACT HEVC FIELD UNIT FOR ON-THE-GO LIVE STREAMING

The LU300 is a small-sized, cost-effective and reliable HEVC encoder, enabling broadcasters and other content creators to transmit high-quality video on-the-go.

With LiveU's professional-grade hardware HEVC technology at its core, the LU300 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 LU300 HEVC offers greatly improved video quality.

Weighing just over 900 grams (2 lbs) and available in a pouch or camera-mount configuration, the LU300 bonds up to six connections: two internal modems, two external modems, WiFi and LAN.

With inherent support for 5G, two external LiveU 5G cellular modem sticks can be connected for higher bandwidth productions and greater reliability.

Live & Store functionality enables users to upload high quality stored copies of the live video immediately after live sessions. Highly flexible, the LU300 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 LU300 offers an enlarged 2.2" display with improved resolution, dramatic improvement in visibility under sunlight conditions and a new JOG controller for easier control of the unit. Additional enhancements include longer battery time with a three-hour internal battery and a stronger CPU for super-fast file upload.



5G 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 audio channels
PORTABILITY	Professional-grade side-pouch, belt-attachment or camera mounted
SIMULTANEOUS BONDING	Up to 6 network links: 2 x internal cellular modems, 2 x external cellular modems (4G or LiveU 5G), internal WiFi and Ethernet
MULTI-TARGET OUTPUT	Diverse A/V output through SDI and H.264 streams including connectivity for CDNs (server side)
POWER SOURCES	3 hours internal battery
LOCAL CONTROL	Full monitoring and control using local 2.2" display and user friendly rotating jog
REMOTE CONTROL	Full web-based remote control from smartphones, laptops, tablets or web browsers
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, micro USB, RJ-45 Ethernet, 3.5mm in/out audio jack, micro-SD card, SIM cards
WIRELESS INTERFACES	WiFi 802.11 a,b,g,n,ac support with internal MIMO antennas 2 x internal 3G/4G/LTE-Advanced modems with high-efficiency antennas for worldwide support
DIMENSIONS	112.5mm x 203mm x 54.5mm / 4.4" x 8" x 2.1" (W x H x D)
WEIGHT	955g (2.1lbs) with two internal modems and battery
TEMPERATURE	Operating: -5C to +45C (23F to 113F)

Add-on Features

STORE & FORWARD	Additional super-high quality level
LIVE & STORE	Perfect-quality encoding to local storage in parallel to live transmission
DUAL-SIM	Dual-SIM support for the internal modems
AUDIO CHANNELS	4 audio channels

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