



LU300Se

POWERFUL COMPACT 4K HEVC VIDEO ENCODER



The LU300Se is a small-sized 4K HEVC contribution encoder, enabling point to point, and point to multi-point transmission for a fraction of the cost of other solutions. It also doubles as a content source for live video distribution via LiveU Matrix.

Leveraging LiveU's Reliable Transport protocol (LRT™), the encoder provides the latest bonding technology **over wired internet** with an option for cellular over USB ports, reliably transmitting 4K broadcast-grade video quality.

With LiveU's professional-grade hardware HEVC technology at its core, the LU300Se combines high-quality video performance with extreme bandwidth efficiency. This provides content creators with the same video quality as H.264 while using about half the bandwidth. Unlike common HEVC software solutions, the LU300Se 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.

4K HDR Up to 4Kp60 10-bit HDR transmission for optimal color depth & richness*

Up to 8 audio channels for richer audio production*

3.5-hour internal battery

Compact & lightweight: weighing just over 2 lb/900 g

2.2" display with excellent visibility & control



*Available with upgraded software license

TECHNICAL SPECIFICATIONS

VIDEO RESOLUTIONS	4Kp50/60/25/30/24*, 1080p50/60/25/30/24, 1080i50/60, 720p50/60, PAL, NTSC
VIDEO INTERFACES	12G/3G/HD/SD-SDI + HDMI 2.0
VIDEO ENCODER	H.265/HEVC, H.264
AUDIO ENCODER	AAC-HE/LC – up to 8 audio channels*
SIMULTANEOUS BONDING	1x Ethernet port for connection to LAN and satellite (BGAN/Ku over IP), WiFi
OPERATIONAL MODES	Live, Live & Store*, Store & Forward (three quality levels*), File Transfer, DataBridge with access point, Audio Connect Intercom, IP Pipe
UNIT CONTROL	LiveU Central management system and local display screen
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
NETWORK INTERFACES	1 RJ-45 Ethernet port and 2.4/5GHz WiFi (802.11 a/b/g/n/ac)
OTHER INTERFACES	2x USB 2.0, 3.5mm audio jack, SD card slot
DIMENSIONS	112.5mm x 203mm x 54.5mm / 4.4" x 8" x 2.1" (W x H x D)
WEIGHT	900g (2 lb)
VIBRATION	MIL-STD-810G method 514.6 Category 4
TEMPERATURE	Operating: -5C to +45C (23F to 113F)
POWER	DC: 12V to 19V

*Available with upgraded software license