LU300s

Your small-sized portable 5G transmission solution for live coverage on-the-go

Providing reliable 4K 10-bit HDR broadcast-grade video at a fraction of the cost

As media producers, you want to cover it all. Leaving no event uncovered and keeping viewers engaged in every global and local event. In our fast-paced industry, reliability and flexibility are key when covering live events - especially when it comes to remote productions (REMI).
The LU300S enables you to produce outstanding content with the most convenient operational set-up.

Small-sized & robust

Weighing just over 900 g (2 lb), the LU300S offers resilient bonding in a compact and lightweight portable unit.

Its ruggedized features are designed for on-the-go productions - dedicated for high-intensity environments.

Your field crew will enjoy maximum production convenience with an intuitive interface and 2.2" display as well as multiple carrying options.

Native 5G reliability

With built-in 5G support, the LU300S delivers the highest bandwidth and ultra-low latency.

Supporting up to 30 Mbps, the unit includes up to 6 IP connections: 4 cellular, WiFi and LAN, based on LiveU's patented HEVC bonding technology.

This enables you to reliably transmit live feeds from even the most challenging cellular coverage areas.

Broadcast-grade video quality

Increase viewership and engage your audience by covering more live events in the highest video quality.

The LU300S allows you to reliably transmit up to 4Kp60 10-bit HDR transmission over 12G-SDI or HDMI for optimal color depth and richness.

Supporting richer audio production, the unit supports up to eight audio channels for wider mixing options.

LiveU LU300s

THE RELIABILITY OF TRANSMITTING 10-BIT HDR COVERAGE USING A SMALL-SIZED UNIT

KEY FEATURES

5G — Up to 4 x 5G/4G modems for the highest reliability

x2 — Dual SIM support offering a hybrid local/roaming unit option

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

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

Up to 8 audio channels for richer audio production

Various carrying options: camera mount, cross-shoulder pack and belt pack

REMI — Rich remote production tools: Tally Light, Audio Connect, IP Pipe

2.2" — 2.2" display with excellent visibility & control

2 license upgrades with robust configurations:
LU300S PRO
LU300S PRO-4K

300 ms

Ultra Low Latency 0.3 seconds over wired networks and private 5G

TECHNICAL SPECIFICATIONS

VIDEO RESOLUTIONS	4Kp60/50/25/30/24, 1080p50/60/25/30/24, 1080i50/60, 720p50/60, PAL, NTSC
VIDEO INTERFACES	12G/3G/HD/SD-SDI and HDMI 2.0
VIDEO ENCODER	H.265/HEVC, H.264, 10-bit/HDR
AUDIO ENCODER	AAC-HE/LC, up to 8 audio channels
PORTABILITY	Professional-grade cross-shoulder pack, camera mount and belt pack options
SIMULTANEOUS BONDING	Up to 6 network links: 2 x internal 4G/5G cellular modems, 2 x external cellular modems (4G/5G), internal WiFi and Ethernet
OPERATIONAL MODES	Live: Down to 0.3 seconds ultra-low latency transmission mode Live & Store: live streaming with local high-quality recording on unit Store & Forward: stream in three quality-levels (for optimal quality vs speed) FTP: bonded file transfer DataBridge: high-speed mobile broadband connectivity from the unit Audio Connect Intercom
EXTERNAL MODEMS	LU Net 4G/5G with high-efficiency antennas for worldwide support
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, DC IN: 12V-19V AC/DC adaptor or external 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
CLOUD PRODUCTION – NTP FRAME SYNC	Synchronize SRT-based multi angle production feeds based on NTP timecodes
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 4G/5G 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 1 13F)