



# The First Production-Level Field Unit

Changing the rules of the game  
for live news and sports coverage

Enrich your productions and cover more events at a fraction of the cost of traditional transmission methods. The LU800 is the first all-in-one production-level field unit, designed for live news and dynamic sports coverage.

The LU800 combines multi-camera and superior video/audio capabilities with mission-critical transmission in a native 5G unit. Designed from the ground up to unlock 5G potential, the unit offers unparalleled quality of service and resiliency.

The LU800 enables complex remote productions (REMI), supporting up to four fully frame-synced feeds in high resolution from a single unit. Delivering the highest-quality video performance, the LU800 offers up to 4Kp60 10-bit HDR transmission for optimal color depth and richness.

The LU800 product series accommodates any customer need or production scenario with multi- and single-camera variants.



## KEY FEATURES



Up to 8 x 5G modems with high-efficiency internal antennas



Up to 16 audio channels for richer audio production



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



7" ultra-sensitive capacitive touch-screen for easy unit control



Multi-camera with up to 4 fully synced feeds & flexible unit/station switching



Optional external antenna connections for harsh RF conditions



Rich remote production tools: Video Return, Tally Light, Audio Connect



Dual power input (standard power supply & external battery input)



Super-fast file transfer for sending edited footage from the field



2 Ethernet & 2 WiFi interfaces for more connection options



One unit. Unlimited possibilities.

	LU800-HDR	LU800-PRO SERIES
CAMERA INPUTS	1	1/2*/4*
VIDEO RESOLUTIONS	4Kp50/60/25/30/24 (HDMI only) 1080p50/60/25/30/24 1080i50/60 720p50/60/25/30 PAL, NTSC	4Kp50/60/25/30/24* 1080p50/60/25/30/24 1080i50/60 720p50/60/25/30 PAL, NTSC
VIDEO INTERFACES	1xSDI (3G/HD/SD) HDMI 2.0	4xSDI (12G/3G/HD/SD)**
VIDEO ENCODER	8/10-bit H.265/HEVC, H.264	8/10*-bit H.265/HEVC, H.264
HDR	Yes	Yes*
SUPPORTED AUDIO CHANNELS	4	4/8*/16*
SUPPORTED BITRATES	Up to 30Mbps	Up to 70Mbps

\*With software license

\*\*Supporting all formats of 4K – 1x12G-SDI or 4x3G-SDI – 2SI or square division, level A or level B.



# TECHNICAL SPECIFICATIONS

<b>PORTABILITY</b>	Professional-grade backpack with wired remote control; car cradle
<b>SIMULTANEOUS BONDING</b>	Up to 14 network links: 8 x internal 5G/4G/3G dual-SIM modems + 2 external 5G/4G/3G modems + 2 internal WiFi and 2 Ethernet ports
<b>SUPPORTED TECHNOLOGIES</b>	5G/4G /3G and internal WiFi 2.4/5GHz, 802.11ac/b/g/n support, IP Satellite (KA/BGAN)
<b>ANTENNA ARRAYS</b>	Benefits in video quality, resiliency, coverage, operation in areas of poor coverage, on-the-move, and even in crowded areas; enhanced support for all common wireless frequencies including sub 6GHz 5G & LTE
<b>MULTI-CAMERA</b>	Available for LU800-PRO series with PRO2/PRO4 license
<b>MODES</b>	Live & Store, Store & Forward (three quality levels), File Transfer, DataBridge with access point
<b>VIDEO RETURN</b>	Sub-second video return on the LU800 screen or over an external display via HDMI port
<b>MULTI-TARGET DECODER OUTPUT</b>	Diverse A/V output through SDI/SMPTE-2110/NDI and H.264 RTMP/MPEG-TS streams including integrated connectivity to social media & CDNs
<b>LOCAL CONTROL</b>	Full monitoring and control using 7" sensitive capacitive touch-screen and smooth user interface
<b>REMOTE CONTROL</b>	Full web-based remote control using LiveU Central management system or LiveU Control mobile app
<b>RESILIENCY AND QUALITY</b>	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
<b>INTERFACES</b>	Full size SD Card Slot, HDMI out, USB 2.0, USB 3.0, USB-C, 2 Ethernet ports, audio jack (in + out), 16 SIM interfaces (dual SIM), Quick-Connect option for external cellular antennas & GPS
<b>WIRELESS INTERFACES</b>	Up to 8 x 5G/4G/3G internal modems with high-efficiency antennas for worldwide support (modem count may vary by territory); 2 x WiFi (2.4/5GHz, 802.11ac/b/g/n) with internal MIMO antennas
<b>POWER</b>	4 hours internal battery Power input: 19V (external AC/DC adaptor 110V to 240V) Dedicated external battery input: 12-17V
<b>DIMENSIONS</b>	175mm x 280mm x 65mm / 6.9" x 11" x 2.5" (W x H x D) – with 4hr battery
<b>WEIGHT</b>	1.74kg (61oz) without battery, 2.1kg (76oz) with battery
<b>TEMPERATURE</b>	Operating: -5C to +45C (23F to 113F)

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