



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 4Kp60 10-bit HDR transmission for optimal color depth & richness
-  Multi-camera with up to 4 fully synced feeds & flexible unit/station switching
-  Rich remote production tools: Video Return, Tally Light, Audio Connect
-  Super-fast file transfer for sending edited footage from the field
-  Up to 16 audio channels for richer audio production
-  7" ultra-sensitive capacitive touch-screen for easy unit control
-  Optional external antenna connections for harsh RF conditions
-  Dual power input (standard power supply & external battery input)
-  2 Ethernet & 2 WiFi interfaces for more connection options

THE LU800 SERIES

One unit. Unlimited possibilities.

	LU800-HDR	LU800-PRO	PRO SOFTWARE UPGRADE
CAMERA INPUTS	1	1	
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	<div style="border: 1px solid #0056b3; border-radius: 10px; padding: 10px; margin-bottom: 10px; background-color: #0056b3; color: white;"> <p style="text-align: center; font-weight: bold; margin: 0;">PRO2</p> <p style="text-align: center; margin: 0;">  Up to 2 cameras </p> </div> <div style="border: 1px solid #0056b3; border-radius: 10px; padding: 10px; background-color: #0056b3; color: white;"> <p style="text-align: center; font-weight: bold; margin: 0;">PRO4</p> <p style="text-align: center; margin: 0;">  Up to 4 cameras  Up to 16 channels </p> </div>
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	
AUDIO CHANNELS	Up to 4	Up to 8	
SUPPORTED BITRATES	Up to 30Mbps	Up to 70Mbps	

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



TECHNICAL SPECIFICATIONS

PORTABILITY	Professional-grade backpack with wired remote control; car cradle
SIMULTANEOUS BONDING	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
SUPPORTED TECHNOLOGIES	5G/4G /3G and internal WiFi 2.4/5GHz, 802.11ac/b/g/n support, IP Satellite (KA/BGAN)
ANTENNA ARRAYS	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
MULTI-CAMERA	Available for LU800-PRO with PRO2/PRO4 license
MODES	Live & Store, Store & Forward (three quality levels), File Transfer, DataBridge with access point
VIDEO RETURN	Sub-second video return on the LU800 screen or over an external display via HDMI port
MULTI-TARGET DECODER OUTPUT	Diverse A/V output through SDI/SMPTE-2110/NDI and H.264 RTMP/MPEG-TS streams including integrated connectivity to social media & CDNs
LOCAL CONTROL	Full monitoring and control using 7" sensitive capacitive touch-screen and smooth user interface
REMOTE CONTROL	Full web-based remote control using LiveU Central management system or LiveU Control mobile app
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
INTERFACES	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
WIRELESS INTERFACES	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
POWER	4 hours internal battery Power input: 19V (external AC/DC adaptor 110V to 240V) Dedicated external battery input: 12-17V
DIMENSIONS	175mm x 280mm x 65mm / 6.9" x 11" x 2.5" (W x H x D) – with 4hr battery
WEIGHT	1.74kg (61oz) without battery, 2.1kg (76oz) with battery
TEMPERATURE	Operating: -5C to +45C (23F to 113F)

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