



## LU60-HDA

### The Ultimate Transmission System for Professional News Gathering over Multiple Bonded Wireless Networks

LiveU's new LU60 series takes the broadcast-from-anywhere experience to new heights with an abundantly rich feature set for mobile ENG over multiple wireless networks. The LU60 bonds up to 14 cellular (4G LTE / 3G), WiMAX and Wi-Fi modems to provide a resilient, broadcast-quality video uplink, packing the capabilities of an HD Satellite truck into a professional backpack.

The LU60-HDA includes 1080i HD video resolution, sub-second latency for a satellite-like experience, advanced RF technology for highly resilient transmission even when on the move in urban canyons or areas of poor cellular reception, and unique hardware / software mechanisms that enable easy and affordable worldwide roaming.

Transmitting live breaking news, sports and other events from almost anywhere around the globe has never been easier. Simply plug your HD camera into the LU60 and start your live transmission over the aggregated cellular and other links at the press of a button.

*Converting Cellular Dead Zones to Live Zones*

<b>Product</b>	Integrated Unit	Audio / video encoder, SSD drive, cellular & wireless modems, internal battery
	Backpack	Custom design, professional-grade back harness
<b>Video Input</b>	Resolutions	1080i50/60, 720p50/60, 720p25/30, D1, Half D1, CIF
	HW Interfaces	SDI, HDMI, Analog (composite, component, S-Video), DV / IEEE- 1394
	Video Formats	HD/SD-SDI, PAL / NTSC (SMPTE 259M, 292, 296M), DV25, DV50, DV100, DVCAM, DVCPRO/50/100; future HDV; HDMI 1.3, full A/V auto detection
<b>Audio / Video Encoding</b>	Video Encoder	H.264 AVC high profile
	Audio Encoder	Enhanced Efficiency AAC
	Video Transport	RTP/RTCP, MPEG2-TS
<b>Integrated Bonded Interfaces</b>	Simultaneous Bonding	Up to 14 4G LTE / 3G cellular, Wi-Fi or WiMAX, Dual-Ethernet, Dual-Satellite (BGAN)
	Supported Technologies	4G LTE, HSPA+, HSUPA, HSDPA, UMTS, CDMA EVDO Rev 0/A/B, Mobile WiMAX, Wi-Fi 802.11 a,b,g & n (with MIMO)
<b>Proprietary RF Technology</b>	Integrated Antenna Array	Benefits in video quality, resiliency, coverage, operation in urban canyons, poor coverage areas, and even in crowded areas. Converts Cellular Dead Zones into Live Zones
<b>Operational Modes</b>	Portability	Vehicle-mounted; single-person carried and operated even while on the move
	Profiles Selection	User can select profiles to optimize for lowest latency or highest video quality and resiliency
	End-to-end Latency	Interview profile: as low as under 1 sec Other profiles: compensating for fluctuations in network performance
	Transmission Continuity	Continuous audio even when network capacity drops significantly
	Multi-unit Support	Multiple field units can transmit to the same server and output to multiple SDI, FME, H.264 streams
<b>Worldwide Roaming</b>	Dual SIM Ports per Modem	Supports 1 or 2 standard SIM ports per modem, allowing roaming as well as local operations
<b>Power</b>	Power Sources	<i>Internal battery:</i> At least 1.5 hrs of continuous transmission <i>Anton Bauer/IDX/Sony batteries:</i> integral in the backpack support for all leading battery systems <i>Vehicle Lighter input:</i> 12VDC <i>AC:</i> 100V to 240V
<b>User Interface</b>	Local Control	Full monitoring and control using touch-screen UI with lock-screen option
	Remote Control	Full remote control from server side, from smartphones, laptops, etc.
	Preview	Video preview; per-network cellular connectivity status inc. RSSI, throughput, network delay, etc.
<b>Rich Feature Set</b>	Features	Fast File Transfer (FTP) for fast upload of pre-recorded material from anywhere into the workflow. IFB (return audio channel from studio), Store & Forward, local recording on the transmitting unit, on external storage devices, recording on the server side
	Resiliency and Quality	Top video quality and resiliency through automatic dynamic algorithms such as automatic Adaptive Bit Rate (ABR) over Constant Bit Rate (CBR) or Variable Bit Rate (VBR), video encoding and VBR video encoding are set automatically; automatic Forward Error Correction (FEC) etc.
<b>Physical</b>	Dimensions	25 x 36 x 11.5 cm / 9.84 x 14.17 x 4.5 inches
	Weight	~5kg / ~11.5lbs with battery

## For more information:

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