



## LU400

### Broadcast-quality, Compact Uplink Unit

Powered by LiveU's multi-processor video encoding engine and weighing around 700g (25oz), LiveU's LU400 represents a highly cost-effective, portable and robust HD video uplink device. LU400 is available in various configurations including belt-clip or camera-mount.

The LU400 offers a wide range of features and capabilities for live news gathering, including: low latency for interview-mode; Store & Forward; file transfer (FTP); video and audio indicators; under one minute boot-up time and the ability to control the unit from its touch screen, the server or from any web enabled device.

With proprietary internal antennas, the LU400 provides resilient live HD video transmission for 24/7 news and events coverage on-the move and in fixed locations, optimizing all available bandwidth to deliver broadcast-quality video. The LU400 offers up to 7 bonded connections, including four internal cellular modems, WiFi / WiMAX, a LAN connection and one external USB port.

The LU400 joins the LU500 as the latest product solutions within LiveU Connect, LiveU's single multi-layered live video ecosystem, which includes: front-end field acquisition cellular bonding products; back-end servers; and the LiveU Central management platform that allows full configuration, control and monitoring of the entire ecosystem and content via any browser-supported device.

*Live HD Video Wherever, Whenever*

<b>Product</b>	Integrated Unit	Audio / video encoder, micro SD card, cellular & wireless modems, internal battery
	Portability	Custom design, professional-grade side-pouch, belt-attachment or camera-mounted configurations
<b>Video Input</b>	Resolutions	1080i50/60, 720p50/60/25/30, PAL, NTSC
	HW Interfaces	HD/SD-SDI, HDMI
	Video Formats	HD-SDI, SD-SDI, PAL/NTSC (SMPTE 425M, 424M, 259M, 292, 296M), HDMI 1.4a, full A/V auto detection
<b>Audio / Video Encoding</b>	Video Encoder	H.264 AVC high profile
	Audio Encoder	AAC-LC
	Video Transport	RTP
<b>Integrated Bonded Interfaces</b>	Simultaneous Bonding	Up to 7 network links; inc. 4 x integrated 4G LTE / 3G cellular + one external USB cellular modem + internal Wi-Fi or WiMAX + Ethernet
	Supported Technologies	4G LTE, HSPA+, HSUPA, HSDPA, UMTS, CDMA EVDO Rev 0/A/B, Mobile WiMAX, and internal Wi-Fi 802.11 a,b,g & n support
<b>Proprietary RF Technology</b>	Antenna Arrays	Benefits in video quality, resiliency, coverage, operation in areas of poor coverage, on-the-drive, and even in crowded areas. Enhanced support for all common wireless frequencies including LTE
<b>Operational Modes</b>	Multi-Profile Selection	Low latency mode Maximum Quality mode for increased compensation in noisy networks
	Multi-target Output	Diverse A/V output through SDI and H.264 streams including connectivity for CDNs
<b>Power</b>	Power Sources	<i>Two sizes of integral battery:</i> 1.5 hour & 3 hours <i>Vehicle Lighter input:</i> 12VDC AC: 100V to 240V Optional support for Anton Bauer, V-Lock, and PAG power-packs
<b>User Interface</b>	Local Control	Full monitoring and control using touch-screen UI
	Remote Control	Full web-based remote control via LiveU Central (requires Google Chrome based browser)
	Preview	Video preview; per-network cellular connectivity status incl. throughput, network delay etc.
<b>Rich Feature Set</b>	Resiliency and Quality	Top video quality and resiliency through algorithms such as automatic Adaptive Bit Rate (ABR). Video encoding bit rate is set automatically; automatic Forward Error Correction (FEC) and other lost packet recovery algorithms to maximize Quality of Experience for the end-user
	Professional Features	Low latency for studio interviews; Store & Forward; file transfer (FTP); video and audio indicators; under one minute boot-up time; and the ability to control the unit from its touch screen, the server or from any web enabled device
<b>Physical &amp; Interfaces</b>	Data	Micro SD Card Slot, Micro USB 2.0 OTG, RJ-45 Ethernet, Audio jack (in + out)
	Dimensions	<i>With 1.5hr battery:</i> 129mm x 150mm x 58mm / 5.07" x 5.9" x 2.3" (W x H x D)
	Weight	500g (17.6oz) without battery, 700g (25oz) with 1.5hr battery, 1000g (35.2oz) with 3hr battery
	Temperature	<i>Operating:</i> -5C to +45C (23F to 113F)

For more information:

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