



LU600 HEVC

## FOR THE ULTIMATE VIDEO PERFORMANCE IN LIVE STREAMING

The LU600 is LiveU's sixth-generation portable unit for global newsgathering, live sports and events coverage. Setting the standard again for IP bonding, the LU600 delivers the highest video quality and bitrate in the market, fastest file transfer and lowest delay. This is offered over a new streamlined user interface, with an ultra-responsive 5.0" capacitive touchscreen.

Combined with the 4K HEVC Pro Card, the LU600 allows professional broadcasters and content creators to benefit from unparalleled video performance with extreme bandwidth efficiency – using one of the smallest portable cellular bonding units in the market. Broadcasters can provide the same video quality as H.264 while using about half the bandwidth. In cases where original H.264 bitrate is maintained, the HEVC Pro Card offers greatly improved video quality.


LiveU's LU600 HEVC product suite offers three configurations to meet customers' specific production needs, including: HD, 4K-HDMI and 4K-SDI. The 4K HEVC solution enables VR and 360 degree applications.


### Key Features


- Superior 1080/4K video quality based on broadcast-grade hardware encoding
- High-efficiency internal antennas with LTE Advanced support
- Highest video quality and bitrate: up to 20Mbps
- Fastest file transfer for FTP/S&F modes: up to 60Mbps
- Video Return enabling live feeds from studio to the field
- 4 hour battery time
- 30sec. boot-up time
- 4 audio channels
- High speed internet capabilities
- H.264 and HEVC file encoding capability



# SETTING THE STANDARD. AGAIN.

Technical Specifications  Video Card			
	HD	4K-HDMI	4K-SDI
VIDEO RESOLUTIONS	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	4Kp50/60/25/30/24, 1080p50/60/25/30/24, 1080i50/60, 720p50/60/25/30, PAL, NTSC
VIDEO INTERFACES	3G/HD/SD-SDI, HDMI 1.4	3G/HD/SD-SDI, HDMI 2.0	12G/3G/HD/SD-SDI 4x3G-SDI (2SI + SD)*
VIDEO ENCODER	H.265/HEVC, H.264	H.265/HEVC, H.264	H.265/HEVC, H.264
AUDIO ENCODER	AAC-HE/LC – up to 4 audio channels	AAC-HE/LC – up to 4 audio channels	AAC-HE/LC – up to 4 audio channels

\*Supporting all formats of 4x3G-SDI  2 sample interleave or square division, level A or level B.

Technical Specifications  Unit	
INTEGRATED UNIT	Video/Audio integrated encoder
PORTABILITY	Professional-grade backpack
SIMULTANEOUS BONDING	Up to 12 network links; inc. 6-8 x integrated + 1 external 3G/LTE/LTE-Advanced cellular modems + internal Wi-Fi and 2 Ethernet ports
SUPPORTED TECHNOLOGIES	4G LTE/LTE-Advanced, HSPA+, UMTS, CDMA EVDO Rev 0/A/B, and internal Wi-Fi 802.11 a,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 LTE
MULTI-PROFILE SELECTION	Live: Low latency or maximum quality modes Store and Forward: Three quality-levels (for optimal quality vs speed) FTP: Bonded file transfer
VIDEO RETURN	Sub-second video return on the LU600 screen or over an external HDMI
MULTI-TARGET OUTPUT	Diverse A/V output through SDI and H.264 RTMP/MPEG-TS streams including integrated connectivity to social media & CDNs
POWER SOURCES	Integral battery: 4 hours AC: 100V to 240V Vehicle Lighter input: 12VDC (optional adapter)
LOCAL CONTROL	Full monitoring and control using 5" sensitive capacitive touch-screen
REMOTE CONTROL	Full web-based remote control using LiveU Central management system
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	Micro SD Card Slot, Micro HDMI out, Type-A USB, mini USB, 2 RJ-45 Ethernet, Audio jack (in + out)
DIMENSIONS	With 4hr battery: 150mm x 225mm x 70mm / 5.9" x 8.8" x 2.7" (W x H x D)
WEIGHT	1.08kg (38oz) without battery, 1.68kg (59oz) with battery
TEMPERATURE	Operating: -5C to +45C (23F to 113F)

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