

LU710

4K HEVC Adaptive Video Uplink System for Vehicles and Fixed Locations



The LU710 takes LiveU's 1U rack-mount encoder to the next level, incorporating powerful HEVC encoding and 4K video resolution, giving sportscasters and news teams broadcasting from hybrid ENG trucks and fixed installations the highest quality video available today.

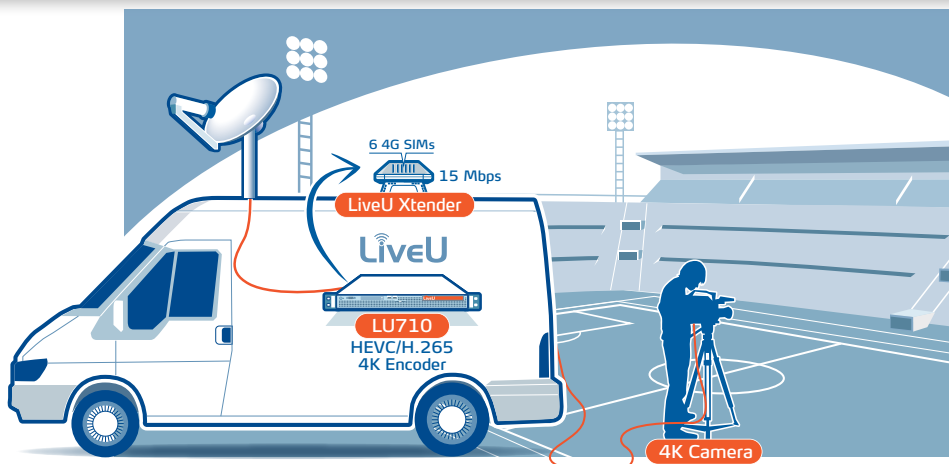
LiveU's LU710 vehicle solution combines a 4Kp50/60 powerful encoder with the LiveU Xtender external antenna with six LTE modems and vehicle-mounted satellite, transforming any SNG vehicle into a hybrid, bonded cellular truck for transmitting 4K video resolution. This super high quality video is received by our new LU4000 server, supporting HEVC 4K decoding.

With an external intuitive touch screen interface, the LU710 is fully integrated in the LiveU ecosystem via LiveU's Central browser-based management platform. LiveU's global units and services are connected via LiveU Central for easy preview and remote control using any computer or tablet from anywhere around the world.

The LU710 incorporates LiveU's unique Reliable Transport protocol (LRT[™]) to deliver optimized video performance. LRT[™] enables reliable, low delay live video streaming over non-guaranteed IP networks and ensures reliable transport over the most unreliable of networks, including cellular networks - allowing broadcasters to acquire exciting live content in even the most remote locations.

LU710 Technical Specifications

HARDWARE CONFIGURATION	1U standard rack-mount configuration
VIDEO RESOLUTIONS	4Kp50/60/25/30, 1080p50/60, 1080i50/60, 720p50/60/25/30, PAL, NTSC
VIDEO INTERFACES	4 x 3G/HD/SD-SDI, HDMI 2.0
VIDEO ENCODER	HEVC Main 10 (4:2:0/4:2:2)
AUDIO ENCODER	AAC-HE
VIDEO TRANSPORT	RTP
SIMULTANEOUS BONDING	2 x Ethernet ports for connection to satellite (BGAN / Ka-SAT etc.) and 6 external 3G/4G cellular network connections (when used with LiveU Xtender)
WITH LIVEU XTENDER	Benefits in video quality, resiliency, coverage, operation in areas of poor coverage, on-the-move, and even in crowded areas. Support for all common wireless frequencies including LTE
OPERATIONAL MODES	Live: Low latency or maximum quality modes Store and Forward: Three quality-levels (for optimal quality vs speed) FTP: Bonded file transfer
MULTI-TARGET OUTPUT	Diverse A/V output through SDI and H.264/H.265 streams including MPEG-TS/RTMP for connectivity to CDNs
LOCAL CONTROL	Full monitoring and control using external touch screen display (sold separately)
REMOTE CONTROL	Full web-based remote control using LiveU Central
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
OTHER INTERFACES	2xRJ-45 Ethernet, USB
POWER	AC: 100V to 240V
DIMENSIONS	Industry-standard 1U rack-mount server: 42.4 H x 434.0 W x 394.3 D (mm) / 1.66□H x 17.09□W x 15.52□D (in)
TEMPERATURE	Operating: 10C to 35C



4K Hybrid Broadcasting Truck

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