



LU700-SV

The Hybrid Video Uplink System for Vehicles and Fixed Locations

The LU700-SV takes LiveU's industry-leading LU70 and repackages it into a 1U rackmount server configuration for SNG trucks and fixed installations, allowing news teams to enjoy the benefits of both satellite and cellular networks for live newsgathering in diverse scenarios.

Using LiveU's patented bonding technology, the LU700-SV 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 LU700-SV can be connected to the car-mounted LiveU Xtender external antenna as well as to your existing satellite equipment to create a hybrid cellular/satellite solution for guaranteed bandwidth in remote areas. Use the satellite when stationary, then seamlessly switch to the cellular networks provided by the Xtender while on the move.

The LU700-SV joins LiveU's products 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.

Product	Hardware Configuration	1U standard rackmount configuration
Video Input	Resolutions	1080p24, 1080i50/60, 720p50/60/25/30, PAL, NTSC
	HW Interfaces	HD/SD-SDI
	Video Formats	HD-SDI, SD-SDI, PAL/NTSC (SMPTE 425M, 424M, 259M, 292, 296M), full A/V auto detection
Audio / Video Encoding	Video Encoder	H.264 AVC high profile
	Audio Encoder	AAC-LC
	Video Transport	RTP
Integrated Bonded Interfaces	Simultaneous Bonding	2 x Ethernet ports for connection to satellite (BGAN / Ka-SAT etc.), 6 external cellular network connections (when used with LiveU Xtender),
	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
Proprietary RF Technology	Antenna Arrays	(When used with LiveU Xtender) benefits in video quality, resiliency, coverage, operation in areas of poor coverage, on-the-drive, and even in crowded areas. Support for all common wireless frequencies including LTE
Operational Modes	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
Power	Power Sources	AC: 100V to 240V
	Remote Control	Full control via Windows-based RCA software (provided)
	Preview	Video preview; per-network cellular connectivity status incl. throughput, network delay etc.
Rich Feature Set	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 preview;
Physical & Interfaces	Data	RJ-45 Ethernet, USB
	Dimensions	<i>Industry-standard 1U rackmount server:</i> 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	<i>Operating:</i> 10C to 35C

For more information:

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