

## LU2000

### *Bonded Video Transceiver Unit*



The LU2000 Bonded Video Transceiver unit is used to receive, reconstruct and playout any bonded video stream sent by LiveU's range of field units, including the LU200, LU400, LU500, LU-Smart and LU-Lite. The LU2000 can also be used as a transmission node when configuring LiveU's MultiPoint transmission service.

The LU2000 becomes an integral part of your live video workflow, acting as your in-studio source of any remote LiveU live feed. The LU2000 includes the latest version of LiveU's Multi-Media Hub (MMH), the software component that reconstructs multiple incoming LiveU streams.

The LU2000 comes in a range of configurations, from hardware-hosted MMH software, to cloud server solutions, and uses LiveU Reliable Transport (LRT), which includes patented Dynamic Adaptive Bitrate control and Forward Error Correction, allowing it to optimize live video delivery to different classes of receiver, dynamically adjusting bitrate and quality for the best viewer experience at any time.

Each LU2000 can receive up to 14 simultaneous LiveU live feeds, allowing the remote operator to select the feed that is actually sent out over SDI for local consumption, or streamed over the network for CDN or any other online video streaming. The LU2000 integrates seamlessly with LiveU's multi-layered live video ecosystem, allowing operators to monitor and control live streams via LiveU Central, the unified management platform for LiveU's field and studio units.

# LU2000 Technical Specifications

PRODUCT	FORM FACTOR	1U Rack-mountable server or Virtual Cloud Server
	CONFIGURATIONS	Single/Duo: supports one or two simultaneous SDI outputs Quad: Supports 4 simultaneous SDI outputs Up to 4 streaming outputs; RTMP, Transport Stream over UDP
	SOFTWARE	Pre-installed with software and usage license for LiveU MMH Server
VIDEO OUTPUT	RESOLUTIONS	1080i50/60, 720p50/60/25/30/24, PAL, NTSC
	HW INTERFACES	HD/SD-SDI
	STREAMING	SD: Supports 4 transcoded 1.2mbps HD: Supports 2 transcoded 2.4mbps
	SDI OUTPUT	Single/Duo: 1 or 2, Quad: 4
NETWORK	INTERFACE	1000/100/10 RJ-45
	INTERFACE COUNT	2
POWER	POWER SOURCES	110-240V 50/60Hz
USER INTERFACE	CONTROL	Full control using cloud management via LiveU Central
	PREVIEW	Transcodes and outputs preview via LiveU Central
PHYSICAL	DIMENSIONS	1.7" (43mm) High, 17.2" (437mm) Wide, 14.5" (369mm) Deep, 1U Rackmount
	WEIGHT	16.5 lbs / 7.48 kg

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