



LIVEU

LU4000

A Single 1U 4K or Quad HD Decoder

Receive, decode and playout HEVC/H.264 4K or multi-camera video streams in the highest quality.

Serving as an integral part of your live video workflow, the LU4000 acts as your in-studio source for remote live feeds coming from any LiveU field unit or the Matrix cloud video management and distribution platform.

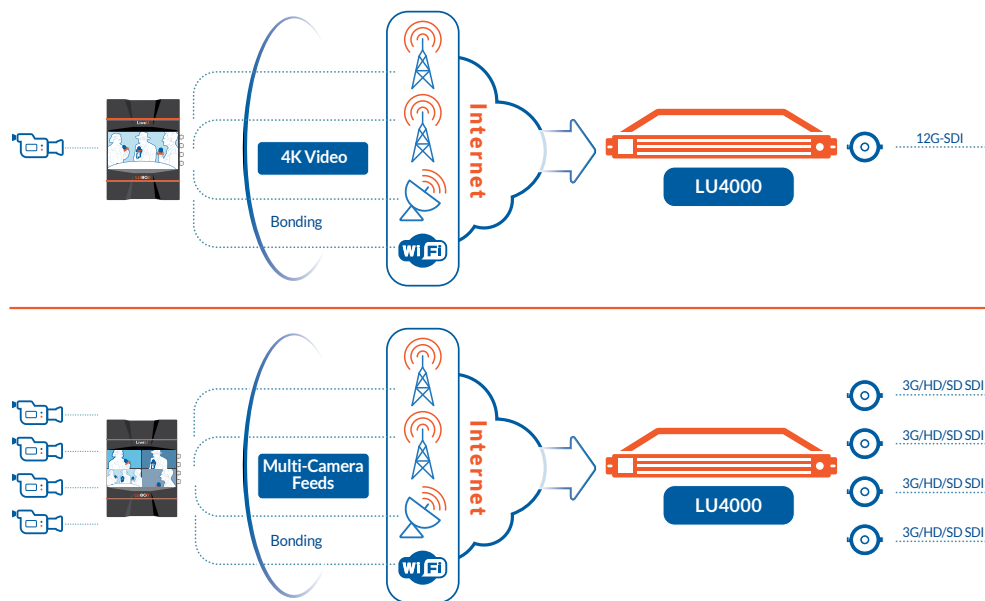
The LU4000 uses LiveU's Reliable Transport (LRT™), enabling it to optimize live video delivery to different SDI and/or IP destinations, dynamically adjusting bitrate and quality for the best viewing experience.

The LU4000 supports a single high bitrate 4K transmission (over 12G-SDI) as well as up to four full HD independent transmissions from different units (over 4 x 3G/HD/SD SDI). It also supports multi-camera production and can receive up to four fully synchronized video feeds from a single LU800 unit.

The LU4000 can also receive multiple preview feeds, allowing the remote operator to select the feed/s sent for local consumption.

Integrating seamlessly with LiveU's multi-layered live video ecosystem, the LU4000 allows operators to monitor and control live streams via LiveU Central, the unified management platform for LiveU's field and studio units.

LU4000 VIDEO DECODER



Technical Specifications

Form Factor	1U Rack-mountable server
Software	Pre-installed with LiveU LRT™ Decoder software
Video Decoder	H.264/HEVC
Video Interfaces	1 x 12G-SDI output or 4 x 3G/HD/SD SDI
IP Outputs	RTMP for streaming to CDNs or social media, SRT, RTSP, MPEG-TS, LiveU MATRIX and NDI
Supported Resolutions	2160P60/50/30/25/24, 1080P60/50/30/25/24, 1080i60/50, 720P60/50/30/25/24, PAL, NTSC
Network Interfaces	3x 2.5GbE (LAN 1,3,4) 1x 1GbE (LAN 2)
Audio Decoder	AAC-HE/LC - Up to 16 channels Up to 4 from SDI, 4 for live & S&F, 4 to LiveU central preview and 16/8/4 to NDI
Remote Management	IPMI out-of-band server management
Operational Modes	Supports store & forward and file transfer
Power Sources	110-240V 50/60HZ
Control	Full control using cloud management via LiveU Central
Preview	Transcodes and outputs preview via LiveU Central

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