LiveU TX1

From Camera to Newsroom

With the vision of transforming the way broadcast professionals capture and transmit content from anywhere, **LiveU and Sony** have joined forces to deliver an innovative camera-to-newsroom content gathering experience.

LiveU TX1 is a compact transmission unit that leverages LiveU's IP bonding technology **to transfer recorded files** quickly and reliably from compatible Sony cameras to the **Sony RXS platform**, accelerating content delivery while offering an upgrade path to live video transmission.

The Solution's Components



USB-C and Ethernet

Onboard USB-C or Ethernet for legacy camera connections for operational flexibility.

LiveU TX1

The most compact LiveU encoder with **LRT™, the reliable IP transmission protocol** built-in, with up to 5 diverse connection links for superior IP-bonding.

LiveU Receiver

A dedicated server securely decodes LRT™ and integrates seamlessly with **RXS**, supporting **up to 15** LiveU TX1 devices.

RXS Platform

A software package, deployed on-prem, designed to receive file delivery over IP into **RXS** direct from LiveU TX1 and **transmit SRT out of RXS.**

A Direct-to-RXS File Transfer Solution

Seamless Workflow

LiveU TX1 enables zero-touch integration, automatically transferring recorded files from compatible Sony cameras directly to the newsroom.

Its 2-in-1 design also supports live transmission via SDI/HDMI, allowing crews to go live instantly for breaking news.

Ultimate Portability

At just 800g (1.76 lbs), the unit is engineered for maximum mobility and can be easily mounted directly onto compatible cameras via V-mount.

Its lightweight, camera-mounted design ensures comfortable handling and greater flexibility throughout long shooting days.

Powered by Proven Technology

LiveU TX1's bonded IP technology ensures your video reaches its destination properly.

By intelligently combining multiple connection types – cellular, WiFi, and Ethernet – the device maintains reliable transmission even when individual connections fluctuate.

LiveU TX1 - Technical Specifications

SIMULTANEOUS BONDING	2x Internal Modem + 1x External Modem (Optional) 1x Ethernet 1Gbps (when not used as camera-unit connection) 1x WiFi
INTERFACES	Camera File Transfer: USB-C, ETH
WIRELESS CONNECTIVITY	2x5G modems with MIMO antennas WiFi 7 with MIMO antennas
SUPPORTED BITRATE	File Transfer: Up to 100Mbps
LOCAL CONTROL	LCD 2" screen UI Access via Control+ App
DIMENSIONS	16 x 10 x 4.6cm (6.3 x 3.94 x 1.81 inches)
WEIGHT	800g (1.76 lbs)
POWER SOURCE	2-3-hour internal battery
EXTERNAL MODEMS	LU-Net 5G with high-efficiency antennas for worldwide support
ACCESSORIES	Pouch

Live Workflow - Technical Specifications - Q1 2027

LIVE VIDEO INTERFACES	SDI & HDMI
VIDEO RESOLUTIONS	1080p50/60/25/30/24, 1080i50/60, 720p50/60
OPERATIONAL MODES	Down to 1.2 seconds latency transmission Store & Forward FTP: File transfer
VIDEO ENCODER	H.265/HEVC, H.264, 8-bit/4:2:0
AUDIO ENCODER	AAC-HE/LC, up to 4 audio channels
SUPPORTED BITRATE	Up to 6Mbps

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