



**LU900Q**

# Designed for the Pressure of Live Sports

The LiveU LU900Q delivers broadcast-grade picture quality and rock-solid transmission in the most demanding sports environments – crowded stadiums, fast action, and remote venues.



TECH SPECS

## Key Features



**4:2:2  
10-bit HDR**



**Built-in  
LiveU IQ**



**Integrated  
eSIMs**



**6-hour  
battery**



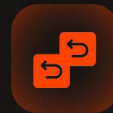
**Dual  
Camera**



**Flexible inputs  
SDI/HDMI/USB/IP**



**Up to 32  
Audio Channels**



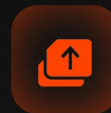
**Dual Video  
Return**



**6 x 5G MIMO  
modems**



**Dual  
Intercom**



**Fast File  
Transfer**



**Ultra-Low  
Latency**



WHY LU900Q?

## Purpose-Built for Sports

Three core advantages that make LU900Q the definitive choice for live sports production.

01

When networks fail, LU900Q delivers

### Built for Unpredictable Environments

With LIQ™ at its core, LU900Q keeps feeds live even when networks are overloaded or coverage is limited, exactly when the pressure is highest.

#### Proof Points

- Congested stadiums
- Fluctuating cellular conditions
- Mission-critical moments

02

Fast action demands perfection

### Broadcast-Grade Picture & Sound

Fast motion, harsh lighting, and complex audio demand more than "good enough." LU900Q delivers the quality your broadcasts deserve.

#### Proof Points

- 4:2:2 10-bit HDR
- Up to 4K resolution
- Up to 32 audio channels

03

Adapt to any production style

### One Unit for Every Workflow

From the main game feed, behind-the-scenes content and advanced file-based workflows, LU900Q adapts to the production, not the other way around.

#### Proof Points

- Dual-camera support
- Fast File Upload
- Modular activation

FOR YOUR ROLE

# Made for You

Whether you're a major broadcaster or a college athletic department, LU900Q speaks your language.



## Tier-1 Broadcasters and Rights Holders

Deliver premium sports coverage at scale while optimizing your operational costs and crew



## Leagues and Federations

Cover every game across every venue with consistent broadcast quality and centralized control



## Clubs and Teams

Own your content with broadcast-grade production capabilities without massive infrastructure investment



## Production Companies

Win more contracts with flexible, scalable production capabilities that adapt to any client need



## Colleges and Universities

Elevate your athletics coverage with professional-grade tools designed for institutional budgets

FLEXIBLE BY DESIGN

# Modular Architecture. Scale with your Season.

Sports production isn't one-size-fits-all—and neither is LU900Q. Our modular activation model lets you configure exactly what you need, when you need it.



### Activate What You Need

Enable only the features required for each specific production.



### Scale Per Event

Ramp up for major games, scale down for regular season—on demand.



### Optimize Spend

Pay for what you use without limiting your capabilities.



### Grow With You

Start small and expand as your production needs evolve.



WHAT IS LIVEU IQ?

## The Next Revolution of Connectivity

LiveU IQ is the intelligence behind the LU900Q. It's a cloud-based connectivity brain that continuously analyzes network conditions and dynamically adapts how video is transmitted in real time.

Traditional bonding treats every connection the same.

**LiveU IQ doesn't.**



The LU900Q delivers unmatched performance and flexibility.

**LiveU IQ makes it smarter over time.**

So, what does this mean for you?



A future-proof solution that improves with every event



A self-optimizing transmission platform



Consistent performance across venues and seasons

# Full Technical Specs

Feature	Details
<b>Video Resolutions</b>	4Kp50/60/25/30/24, 1080p50/60/25/30/24, 1080i50/60, 720p50/60
<b>Video Interfaces</b>	2x SDI (1x12G + 1x3G/HD) 2x HDMI 2.0 IP Input, USB webcam
<b>Simultaneous Bonding</b>	Up to 11 network links: 6x internal 5G MIMO modems 2 x Ethernet ports Wi-Fi 6 2 x external modems (optional)
<b>Video Encoder</b>	H264/HEVC, 10-Bit, 4:2:2
<b>Audio Channels</b>	Up to 32 audio channels - 16 per SDI camera
<b>Supported Bitrates</b>	Up to 100 Mbps during live transmission
<b>Portability</b>	LiveU ProShell - Professional-grade backpack including RF shielding and additional compartments
<b>Supported Technologies</b>	5G/4G/3G and internal Wi-Fi 6 2.4/5GHz, 802.11 ax/ac/b/g/n support, IP Satellite (KA/BGAN), Starlink
<b>Antenna Arrays</b>	High efficiency antennas for all common wireless frequencies including sub 6GHz 5G & LTE
<b>Operational Modes</b>	Live: Down to 0.3 seconds single or multi-camera ultra-low latency transmission mode Live & Store: single live streaming with local high-quality recording on unit Store and Forward: single stream in three quality-levels (for optimal quality vs speed) File based: Bonded file transfer with wireless upload DataBridge: high-speed mobile broadband connectivity from the unit
<b>Collaboration Toolbox</b>	Dual Video Return high-quality, low latency feeds displayed on unit screen / HDMI Out / SDI Dual Intercom Audio Connect over Bluetooth or wired Reference loopback monitor over SDI2, Tally light, IP Pipe
<b>Multi-Target Decoder Output</b>	Diverse A/V output through SDI/SMPTE-2110/NDI and H.264 RTMP/MPEG-TS streams including integrated connectivity to social media & CDNs
<b>Setup Monitor and Control</b>	5.5" capacitive touchscreen LiveU Central web platform and LiveU Control+ mobile app Wired remote control to simplify basic operations
<b>Resiliency and Quality</b>	Supports LiveU IQ™ natively, optimizing for low signal and congested areas. 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
<b>NTP Frame Sync</b>	Synchronize SRT-based multi angle production feeds based on NTP timecodes
<b>Additional Interfaces</b>	Full size SD Card Slot, HDMI IN, HDMI out, SDI1, SDI2, USB 2.0 Remote Control, USB-C, 2 Ethernet ports, Audio jack, 6 external SIM slots
<b>Power</b>	Up to 7-hour with LiveU ProShell backpack Power input: 19V (external AC/DC adaptor 110V to 240V) Dedicated external battery input: 11-17V
<b>Dimensions</b>	165 mm x 240 mm x 70 mm / 6.50 in x 9.45 in x 2.76 in (W x H x D)
<b>Weight</b>	1.97 kg (excluding the battery booster pack)
<b>Temperature</b>	Operating range: -5°C to +45°C (23°F to 113°F)