



TVU MLink

Advantages

- △ Supports H.264, H.265/HEVC and 4K
- △ Fully integrates with cellular, satellite, microwave, WiFi and Ethernet connections
- △ Transmits high quality video with ultra low-latency
- △ Aggregates all available connections for transmission reliability and resiliency
- △ Works with TVU Grid® for live video switching, routing and distribution to multiple locations

The definitive hybrid HEVC and 4K video broadcasting solution for vehicles and fixed studio locations.

TVU MLink is the complete and versatile rack-mount IP video solution designed specifically for use in vans, trucks and sport utility vehicles as well as in fixed studios. MLink uses any and all cellular 3G/4G/LTE/5G, satellite, microwave, WiFi and Ethernet connections simultaneously to transmit a high quality and reliable video stream in HD with sub-second latency. A stream can be started with any type of connection with additional ones added or removed at anytime without video disruption. MLink also features Inverse StatMux Plus (IS+) technology for dependable video broadcast in even the most challenging transmission environments like a moving vehicle.



TVU MLink Models TE5700 and TE5500

TVU MLink is available in two different models with these key features:

- Auto-senses and supports virtually all video formats including 4K (25/30P), 1080p, 1080i, 720p, NTSC/PAL transmission using HEVC or H.264 VBR or CBR encoding (300K-50Mb/s)
- Connects to virtually any live professional/consumer video device including cameras, video routers, pool-feeds, video switchers, video players and more.
- Ultra low latency transmission over commodity internet with glass-to-glass latency as low as 500ms over cellular and 350ms over Ethernet.
- Uses patented IS+ for robust and resilient live video transmission.
- Supports up to 16-channels of SDI embedded audio or 8-channels of HDMI embedded audio.
- Supports TVU Return Video Feed allowing a SDI input on a TVU Transceiver to be sent to the MLink device in the field for remote monitoring.
- Dual encoder support: one dedicated for live transmission and the other for automatically recording anytime an input is connected. (Package Option)
- Features talkback support as either 2-way TVU Voice or traditional IFB depending on equipment configuration.
- Compatible with the TVU Ecosystem of IP and cloud-based solutions for video production.

The TE5700 is a 2RU rack-mount unit with the following additional features:

- Supports for up to nine active network interfaces for transmission.
- Provides WiFi and Hotspot functionality using external MIMO Antenna connections.
- Supports a mix of 3G/4G/LTE and optional 5G modems using external antenna connections.
- Features anywhere high speed access point connectivity using TVU Router. (Option)
- Includes external IP67 rated antennas or optional 5G antennas.



TE5700 Technical Specifications*

Electrical

100-240V AC, 5.2-2.6A Dual Power Supply, 47-63Hz

Configuration

2RU

Audio/Video Input

- 1 x 6G-SDI BNC, 1 x HDMI 2.0a
 - 525i59.94 NTSC, 625i50 PAL, 720p50, 720p59.94, 1080i50, 1080i60, 1080i59.94, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30
 - Embedded SDI - up to 16-channel.,
 Embedded HDMI - up to 8-channel

Audio/Video Encoding and Compression

Enhanced HEVC or H.264 with Smart VBR encoding

RVF Output

HDMI 2.0a

Transmission

Inverse StatMux Plus (IS+)

Network Interface

2 Ethernet Ports (1xGigE and 1x2.5GigE) - RJ45

Display

1 x HDMI and 1 x DP

Control

Front panel LCD or Embedded web interface

VoIP

3.5mm TRS Mini Jack (1 x headphone/1 x mic)

Platform

Linux

Number of Active Network Interfaces for Transmission

9

Internal SSD

Up to 7 hours of on-board recording

Internet Gateway

WiFi and Hotspot

Dimensions

(W) x (H) x (D) 430x88x388mm

Weight

4.3 kg / 9.4 lbs

Operating Temperatures

0-35° C (32-89.6° F)

TVU Software Version

TVU 7

Local Control and Monitoring

Front panel LCD or Embedded web interface

TE5500 Technical Specifications*

Electrical

100-240V AC, 3.5A, 47-63Hz

Configuration

1RU

Audio/Video Input

- 1 x 6G-SDI BNC, 1 x HDMI 2.0a
 - 525i59.94 NTSC, 625i50 PAL, 720p50,
 720p59.94, 1080i50, 1080i60, 1080i59.94,
 1080p23.98, 1080p24, 1080p25,
 1080p29.97, 1080p30, 1080p50,
 1080p59.94, 1080p60, 2160p23.98,
 2160p24, 2160p25, 2160p29.97, 2160p30
 - Embedded SDI - up to 16-channel.,
 Embedded HDMI - up to 8-channel

Audio/Video Encoding and Compression

Enhanced HEVC or H.264 with Smart VBR encoding

RVF Output

HDMI 2.0a

Transmission

Inverse StatMux Plus (IS+)

Network Interface

2 Ethernet Ports (1xGigE and 1x2.5GigE) - RJ45

Display

1 x HDMI and 1 x DP

Control

Front panel backlit LCD

VoIP

3.5mm TRS Mini Jack (1 x headphone/1 x mic)

Number of Active Network Interfaces for Transmission

1

Internal SSD

Up to 7 hours of on-board recording

Dimensions

(W) x (H) x (D) 430x44x388mm

Weight

4.3 kg / 9.4 lbs

Operating Temperatures

0-35° C (32-89.6° F)

TVU Software Version

TVU 7

Local Control and Monitoring

Embedded web interface

Internet Gateway

WiFi and Hotspot



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