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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

▲ Uses external roof-mounted antennas to ensure best signal strength

▲ Works with TVU Grid for live video switching, routing and distribution to multiple locations
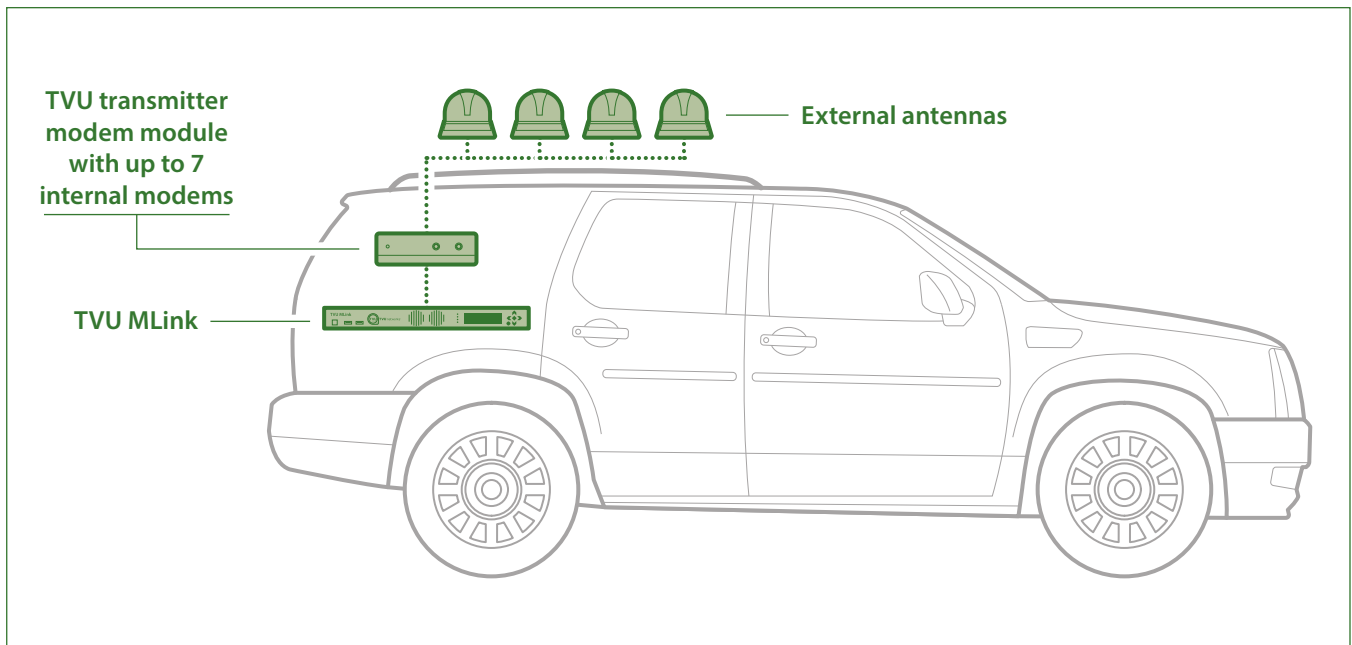
TVU MLink

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

TVU MLink is the complete and versatile 1RU 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, 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 uses IP67 rated external roof-mounted antennas to ensure the best possible signal strength.

TVU MLink Model TE4700

The TE4700 supports H.264 or HEVC encoding of sources up to 4K 25/30p. The TE4700 supports multiple connections simultaneously including cellular, satellite, microwave, WiFi and Ethernet for reliable video streaming. The TE4700 with connected roof-mounted external antennas is ideal for installation in ENG vehicles.

TVU MLink Model TE4500

The TE4500 supports H.264 or HEVC encoding of sources up to 1080p50/60. The TE4500 relies on a single Ethernet connection for connectivity from a standard wired modem or a satellite connection. The TE4500 is ideal for a fixed studio location such as a news bureau or video operations room.

Both models of TVU MLink are a part of the TVU MediaMind workflow platform. Control of the devices can be handled remotely from anywhere through the TVU Command Center web interface. The video streams from MLink can also be easily distributed to multiple locations using TVU Grid, live video switching, routing and distribution solution.

Technical Specifications*

	TE4500	TE4700
Electrical	Line voltage: 100-240V AC, 50/60 Hz 5.2-2.6A	Line voltage: 100-240V AC, 50/60 Hz 5.2-2.6A
Configuration	1RU	1RU
Audio/Video Input	HD/SD-SDI (BNC) input -1080-59.94i/50i, 720-59.94p/50p480-59.94i, 576-50i w/ embedded 2-ch. Audio or HDMI (Type A) - 1080-59.94i/50i. 720-59.94p/50p, 480-59.94i, 576-50i w/ embedded 2 or 4 Ch audio	6G HD/SD-SDI (BNC) input - (4K) 2160p 29.97/25 1080-59.94i/50i, 1080p59.94/50 720-59.94p/50p480-59.94i, 576-50i w/ embedded 2-ch. Audio or HDMI (Type A V 2.0) - (4K) 2160p29.97/25 1080-59.94i/50i.1080p59.94/50, 720-59.94p /50p, 480-59.94i, 576-50i w/ embedded 2 or 4 Ch audio
Audio/Video Encoding and Compression	Enhanced HEVC or H.264 with Smart VBR encoding	Enhanced HEVC or H.264 with Smart VBR encoding
Transmission	Inverse StatMux Plus (IS+)	Inverse StatMux Plus (IS+)
Network Interface	Relies on a single Ethernet connection for connectivity from a standard wired modem or a satellite connection	1 x 10/100/1000 BASE-T RJ45 Ethernet ports and up to 7 USB data card interfaces (2.5G/3G/4G/WiMax) via modem module. Dedicated ports for WiFi and HotSpot
Display	DisplayPort HDMI output	DisplayPort HDMI output
Control	Front panel backlit LCD	Front panel backlit LCD
VoIP	TVU Voice	TVU Voice
Internal SSD	Up to 7 hours of on-board recording	Up to 7 hours of on-board recording
Internet Gateway	Hotspot functionality	Hotspot functionality
Dimensions	1U, 482.6 x 44.4 x 257.05 mm, 19" x 1.75" x 10.1"	1U, 482.6 x 44.4 x 257.05 mm, 19" x 1.75" x 10.1"
Weight	4.3 kg / 9.4 lbs	4.3 kg / 9.4 lbs
Operating Temperatures	0-35° C (32-95° F)	0-35° C (32-95° F)
TVU Software Version	TVU6	TVU6

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