



High Speed Live Video Transport Solution for Low Bandwidth IP Networks



- Powerful and reliable high-speed real-time video transport over IP networks
- Transmit in HD using multiple public Internet connections
- Ensure professional broadcast picture quality despite unreliable network conditions
- Low cost alternative to dedicated high-speed IP line

For newsgathering and broadcast professionals, cost, quality and reliability are critical factors in getting content delivered back to master control or distributed to fellow affiliates or owned and operated (O&O) stations. Broadcasters looking for real-time content transport to affiliates and O&Os are turning to TVU Transport as a backup that works in concert with their existing satellite backhaul infrastructure.

To date, IP-based options for video transport have been problematic. In the past, broadcasters had two options for transport over IP networks. They could either use the public Internet, which does not provide reliable bandwidth required for video transmission, or dedicate a high-speed IP line, which is cost prohibitive. Traditional streaming transport requires expensive dedicated Internet connections that maintain high-bandwidth throughout the entire network. On top of that, existing IP streaming doesn't effectively utilize available bandwidth over long distances.

Deliver High Quality Picture Over Multiple Internet Connections

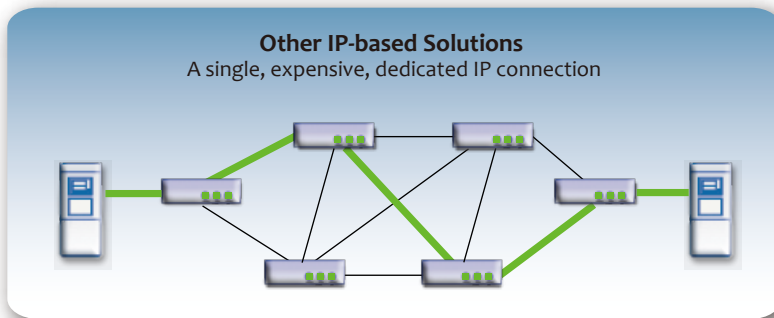
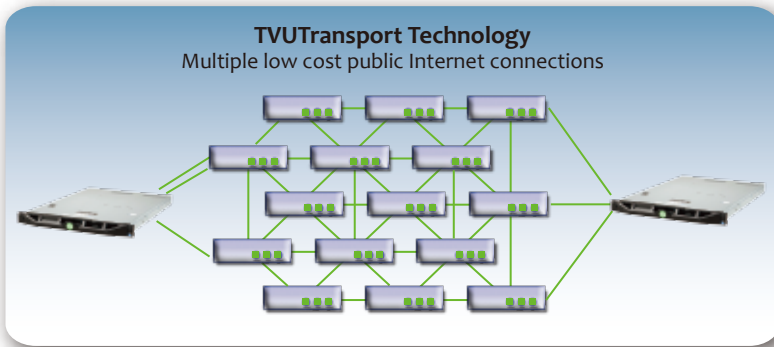
TVU Transport eliminates these problems by leveraging multiple IP connections to deliver video content. TVU Transport allows broadcasters to leverage up to six low bandwidth Internet connections, such as multiple 3G/4G, WiFi, and ADSL connections at the same time to transfer and receive video.

TVU Transport delivers the first and only effective broadcast solution to combine multiple low cost data connections to transmit a high-quality live television feed. With TVU Transport, all connections get fully utilized to deliver and sustain the quality of video transmission, ensuring the highest quality of service (QoS) in even the poorest network environments. As a result, broadcasters are able to avoid relying on expensive dedicated high-speed IP lines without sacrificing picture

Features

Real-Time Packet Replication – TVU Transport is powered by TVU's patented Real-Time Packet Replication (RPR) technology for live video delivery. RPR enables the intelligent distribution of packets in real-time, creating the most efficient way to deliver a video signal across a network.

Fits Into Existing Environment – TVU Transport is designed to plug into a broadcaster's existing infrastructure. The TVU Transport solution consists of a pair of rack-mountable 1RU appliances that sit on the transmitting and receiving ends.



Simple, Portable Configuration – TVU Transport is simple to configure and operate. Plug it in, push the button, and the device is ready to go. All necessary device configurations including authentication can be stored on a USB stick and deployed with each TVU Transport transmitter.

Remote Control – TVU Transport gives field crew the ability to remotely adjust Internet connections and bitrates on the fly, giving users fine-grained control over the transmission.

Deliver HD Video – Unlike most alternative products that deliver sub-D1 quality video over a dedicated T1 line, TVU Transport allows broadcasters to transmit HD-quality video.

TVU Transport Specifications

Input	Supports composite, component, SDI inputs
Output	Supports composite and SDI outputs
Compatible Internet Connections	3G/4G, WiFi, WiMax, Ethernet, ADSL. 128 kbps to 3 mbps
Dimensions	1.68" h x 17.6" w x 21.5" d
Weight	26 lbs
Input Voltage Range	100-240 VAC
Line Frequency	50-60 Hz
Single power supply	345w
Operating Temperature	50-95 degrees (Fahrenheit)