Streamer™ 1U
Live Video Streaming System

The Streamer-1U transports an already encoded video/audio signal from a remote office location to a headquarter office location for live video streaming applications. Streamer is ideal for TV broadcasters, teleconferencers, emergency response and any video streaming application to provide live video from a remote office location, to a Headquarter office, with high quality, high reliability and very low glass-to-glass latency. An encoded video source can be connected to the Streamer-1U unit via the LAN Ethernet port and up to 8 wired Internet connections (such as Cable, ADSL, T1, E1 etc.) can be connected to the WAN ports of the Streamer-1U. Streamer-1U can stream to Streamer Relay Unit at the receive side, or can stream to a Cloud Relay Point in the cloud that can then multi-cast to various number of end-points.

FEATURES

Transparent Streaming over bonded Internet
Streamer-1U leverages Internet bonding technology and Video Armor™ technology for flawless video streaming. This provides an IP transport that is optimized for live video streaming from the remote office to the Headquarter office and that uses the total aggregate bandwidth for the video streaming.
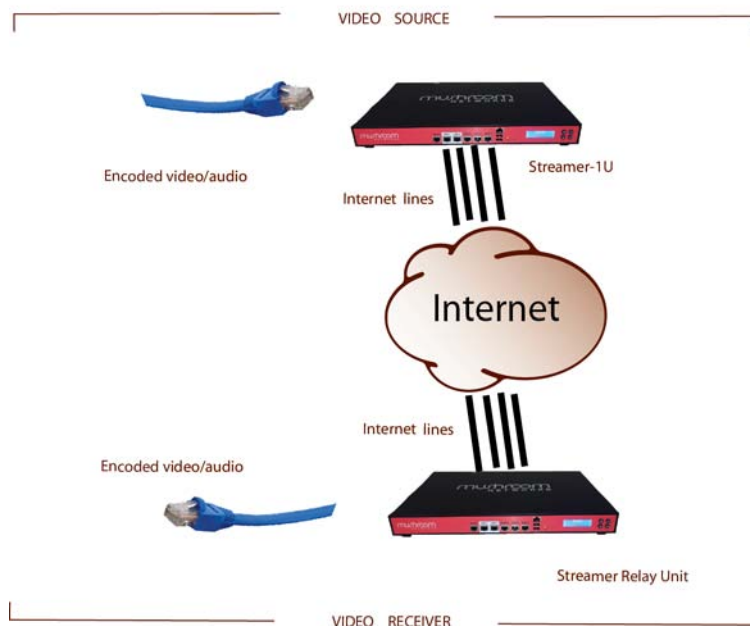
Support for most types of video source - Streamer-1U supports most of the popular video encoders including Flash* Media Live Encoder, Wirecast*, Tricaster*, TouchStreamer* etc.

High Reliability video streaming - Streamer-1U's Video Armor technology minimizes the effects of the channel variations of the Internet links, therefore enabling a very unique and highly reliable video transport over IP.

High Quality video streaming - The cutting-edge resource allocation algorithms enables a high quality video stream with high resolution and high frame rate.

Point-to-point, or Point-to-multipoint video distribution – Streamer-1U can stream to Streamer Relay Unit. Alternatively, Streamer-1U can stream to a virtual Streamer Relay Unit in the cloud, so that the video can be multicasted to various receiving points.

Stream without limits

VIDEO SOURCE

Encoded video/audio

Streamer-1U

Internet lines

Internet

Internet lines

Encoded video/audio

Streamer Relay Unit

VIDEO RECEIVER

Streamer-1U

Streamer Relay Unit

S T R E A M E R - 1 U / R E L A Y S P E C I F I C A T I O N S

Mechanical	16.92"(W)x11.85"(D)x1.73"(H), 19-inch rack mountable
Weight	19 lbs.
Power Requirement	Built in 270 ATX Power supply operated by 110/220V AC
Video / Audio input	Encoded video over RTMP, RTSP or others via Ethernet ports
IP transport	Support for bonding up to 4 (optional 8) wired Internet lines via GigE ports
Bits per second range for streaming	100Kbps - 20Mbps
Temperature Range	0 - 50°C (operating), -20 - 70°C (storage)
Humidity Range	10-95%, non-condensing (operating)
Cooling	Rear-panel fans
Certifications	FCC, CE, RoHS-5, ICES-03, UL, cUL

S T R E A M E R - 1 U A D D O N O P T I O N S

Base model	4 Ethernet WAN ports
4 WAN ports addon	4 additional Ethernet WAN ports
8 WAN ports addon	8 additional Ethernet WAN ports
Performance pack addon	Additional performance: up to 50 Mbps video streaming
Teleporter-1U upgrade addon	Adds adaptive hardware based video encoder/decoder with SD-SDI, HD-SDI, HDMI inputs and outputs (please see Teleporter-1U brochure for more details).