



Advantages

- Reliable, easy-to-use and affordable
- Works with a variety of IP sources
- Supports up to four point-to-point links
- Controllable via a centralized management platform

TVU G-Link

High-quality, low-latency point-to-point live video transmission

TVU G-Link is an Internet-based solution for point-to-point live transmission that provides an affordable way to send high picture quality video from one location to another with virtually no delay.

Dependable and cost-efficient transmission

TVU G-Link uses the public Internet to deliver HD video with sub-second latency from point to point. In doing so, G-Link resolves the need for expensive satellite, microwave or dedicated fiber and delivers high-quality footage from one location to another regardless of distance, making it reliably and globally deployable.

Simple yet versatile

The TVU MediaMind Server VS3500 is the primary hardware component of TVU G-Link. Two servers are paired, with one acting as the transmitter and the other acting as the receiver. The G-Link transmitter takes a variety of incoming video types, including TVU transmissions, SDI input and external IP videos.

The G-Link receiver takes the video and outputs in SDI and IP in high resolution, and can also send feeds directly to social media platforms such as YouTube and Facebook.

Use G-Link with other TVU Products

TVU G-Link works with a range of other TVU Products, including AP ENPS Integration, TVU Analytics, TVU Booking Service, TVU MediaMind and TVU Producer.

Technical Specifications*

Signal Input (Encoder)

TVU One	1080i5994, 1080i50, 720p50, 720p60, NTSC, PAL
SDI Input	1920x1080p 60/59.94/50/30/29.97/25/24/23.98 Hz 1920x1080i 60/59.94/50 Hz 1280x720p 60/59.94/50/30/29.97/25 Hz 720x480/576i 60/59.94/50 Hz 720x480/576p 60/59.54/50 Hz
External IP	YouTube, SMPTE 2022, RTMP, HLS, RSTP, UDP (unicast, multicast), SRT
Audio Input	SDI embedded audio

Signal Output (Decoder)

SDI Output	1920x1080p 60/59.94/50/30/29.97/25/24/23.98 Hz 1920x1080i 60/59.94/50 Hz 1280x720p 60/59.94/50/30/29.97/25 Hz 720x480/576i 60/59.94/50 Hz 720x480/576p 60/59.54/50 Hz
IP Output	RTMP, HLS, RSTP, UDP (unicast, multicast)
Resolution	1920x1080, 1280x720, 960x540, 640x480, 720x480, 720x576, 480x360, 320x240, 352x288
Bitrate	8M, 2M, 1.2M, 850k, 450k, 200k
Bitrate Encoding	CBR/VBR
Recording	File format (.ts, .mov)
Audio Output	MP3/AAC/MP2, Stereo/Mono, 128k/64k/32k

Transmission

Transmission Protocol	IS+ patented technology IP packaging method: ISSP Data correction: FEC High-efficiency re-transmitting method
Bitrate	SD/HD, 150kbps – 15Mbps Typical configuration: 2.5Mbps (SD), 8Mbps (HD)
Bitrate Encoding	CBR
Video Compression	H.264, H.265/HEVC
Picture-to-Picture Delay	500ms (public Internet)

Other

OS	Windows or Linux
Operating Method	Local GUI, TVU Command Center

Hardware Performance

VS3500/Linux 	4 pack source/external IP/SDI input and G-Link output, or 4 G-Link input
VS3500/Linux 	2 pack source/external IP/SDI input and G-Link output, or 2 G-Link input

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*Specifications are subject to change.

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