



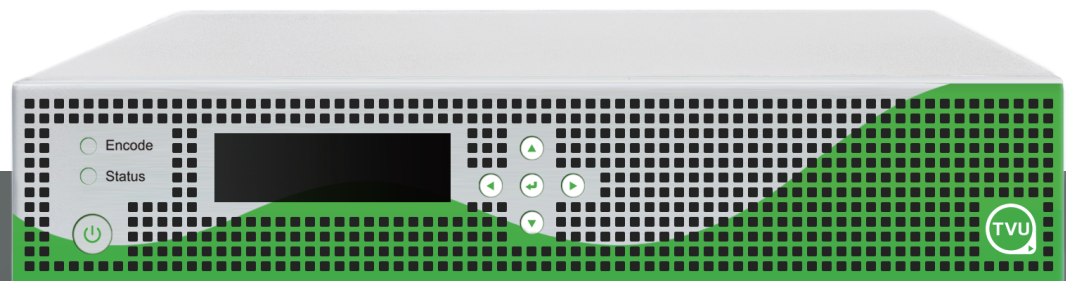
TVU G-Link 4K

Advantages

- △ True 4K60P UHD HDR rack-mount contribution encoder
 - △ Uses patented IS+ technology to achieve sub-second latency with commoditized Internet
 - △ HEVC encoder supports 10-bit 4:2:2 modes
 - △ Physical interface supports 12G-SDI, 3G-SDIx4 or HDMI
 - △ User-friendly management interface
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Broadcast industry-quality IP transmission.

High-performance codec for true real-time 4K UHD video encoding.



TVU G-Link 4K Technical Specifications

Encoder Specifications

Encoder GL1000

(W) x (H) x (D): 214 x 42.8 x 289.7 mm



Video Input

1x12G SDI or 1x4x3G SDI or 1xHDMI 2.0b

Video Resolution

UHD Video Standards

2160p60, 2160p59.94, 2160p50, 2160p30,
2160p29.97, 2160p25, 2160p24

HD Video Standards

1080p60, 1080p59.94, 1080p50, 1080p30,
1080p29.97, 1080p25, 1080p24
720p60, 720p59.94, 720p50, 720p30,
720p29.97, 720p25, 720p24

HDR

HLG
HDR10

Video Compression

Encoding Compression: HEVC/H.265
HEVC Profile: Main/Main 10
HEVC Tier: Main/High
HEVC Level: 5.1
Bit Depth: 8-bit/10-bit
Chroma Sampling Format: 4:2:2, 4:2:0
Bit-Rate Control: CBR/VBR

Bit-Rate in 4K Format

3–300Mbps @ 4K60P

Audio Input

4-channel embedded audio
Audio Mode: Stereo

Audio Compression

Audio Encoding Format: ACC/MP3
Audio Bit-Rate: 256K/128K/64K
Sampling Frequency: 48KHz
Sampling Bit Depth: 16-bit

Synchronization

Supported

Network Interface

2x GigE port

Transmission Protocol

Inverse StatMux Plus (IS+)
Stream Package Format: ISSP
Data Correction: FEC
Intelligent Bit-Rate Control: Smart VBR
High-efficiency re-transmission method

System Platform

Linux

Operation & Maintenance

Local GUI

Other Interface

HDMI display interface
USB 2.0 x2

Wide Color Gamut

REC.709
REC.2020

Decoder Specifications

Decoder VS3500

(W) x (H) x (D): 430 x 45 x 264 mm



*Requires 4K output option to support 4K output

Video Input

SDI (12G or 4x3G)

Video Resolution

UHD Video Standards

2160p60, 2160p59.94, 2160p50, 2160p30,
2160p29.97, 2160p25, 2160p24

HD Video Standards

1080p60, 1080p59.94, 1080p50, 1080p30,
1080p29.97, 1080p25, 1080p24
720p60, 720p59.94, 720p50, 720p30,
720p29.97, 720p25, 720p24

HDR

HLG
HDR10

Decoding Bit-Rate

3-150 Mbps

Transmission Latency Range

0.3-0.5 seconds

Video Compression

Encoding Compression: HEVC/H.265
HEVC Profile: Main/Main 10
HEVC Tier: Main/High
HEVC Level: 5.1
Bit Depth: 8-bit/10-bit
Chroma Sampling Format: 4:2:2, 4:2:0
Bit-Rate Control: CBR/VBR

Audio Output

Embedded Audio
AAC/MP3
STEREO/Mono
256K/128K/64K

Synchronization

Tri-level sync or black-and-burst

Network Interface

2x GigE port

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REC.709
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