



TVU One

Advantages

- △ Compatible with more devices and video formats than ever before
- △ HD 1080P60 encoding at as little as 800kbps
- △ HEVC/H.265 video compression
- △ Supports CAT12 global modems
- △ Portable with one-button operation
- △ 5G ready

Unlike any transmitter.

HD picture quality with half-second latency at 3Mbps.



TVU One Technical Specifications*

Video Input

SDI video inputs
12G, 6G, 3G
Supports single, dual and quad link
(4:2:2/4:4:4)

Audio Input

2 channels embedded in HD/SD

On-unit Video Storage

2 hours eMMC

Supported Data Connections

Simultaneously aggregates up to 12 data connections including WiFi and Ethernet. System supports CAT12 3G/4G/LTE modems, 2.4GHz WiFi, 5GHz WiFi, WiMax, Ethernet, Microwave and KaBand, KuBand, BGAN Satellite connections

Modem Support

6 embedded
4 USB

Power Source

A single removable, rechargeable internal battery, external V-Mount/Gold Mount battery or DC input

Transmitter Controls

One button start, on-unit monitoring and management, remote monitoring and management using mobile smart device or laptop

Power Consumption

Max 30W

Video Input Resolution

HD/SD-SDI or HDMI
1 x HD/SD-SDI (BNC) input –
720-59.94P/50P, 1080-59.94P/50P
1080-59.94i/50i, 480-59.94i/480-29.97P,
576-50i/576-50p
1 x HDMI (Type A) – 1080-59.94P/50P
720-59.94P/50P, 1080-59.94i/50i,
480-59.94i/480-29.97P, 576-50i/576-50p

Encoding and Compression Standard

H.265/HEVC

Variable Bit-Rate Encoding

TVU Smart VBR hardware encoder

Return Video Feed

TVU One feed or SDI input at Server
HotSpot stream

Glass-to-Glass Latency

0.8 seconds

Battery Run Times

Internal - 4.5 hours
External - 8 hours

Digital Memory Card Slot

SD card (up to 128GB and 18 hours of high-quality video)

Operating Temperatures

0°C to 40°C (32°F to 104°F)

Unit Dimensions & Weight

7.48 x 4.72 x 2.76in (190 x 120 x 70mm)
2.2 lbs (1kg)

Voice Communication

IFB
TVU Voice

Color Space

HDMI video sampling
4:2:2 & 4:2:0

HDMI color precision
8, 10-bit R

Patented Transmission Algorithm

Inverse Statmux Plus (IS+)

Start-Up Time

Less than 30 seconds

External Interface Connections

SDI, HDMI, USB, Ethernet, IFB

Store and Forward Supported**Dual Encoding****DC Input**

Right angle Mini Jack DC input that connects to external battery or supplied AC adapter. External power adapter: 11-19V DC

Control Screen Specifications

3.5 inch, 16:10 LCD touchscreen

FCC and CE Compliant

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