



TVU One® 4K

Advantages

- △ Reliable low-latency, high-quality transmission
- △ Support for HDR/HLG
- △ Encodes at 4K60P and 1080P
- △ Portable and easy to use
- △ 5G ready

Because details matter.

The first cellular Pack solution with true 4K 60P 10-bit transmission.



TVU One® 4K Technical Specifications*

Video Input

12G-SDI and HDMI 2.0 video inputs

Audio Input

2 channel embedded SDI/HDMI audio

Supported Data Connections

Simultaneously aggregate up to 12 data connections including internal/external cellular, WiFi, Ethernet, IP Microwave or Satellite (Ka/Ku/BGAN). System includes up to 6 embedded CAT12 3G/4G/LTE modems, embedded 2.4/5GHz WiFi, Ethernet, and 4 USB connections for external modem connections

Modem Support

6 embedded
4 USB

Power Source

A single removable, rechargeable internal battery with an optional external Gold or V-Mount battery

Transmitter Controls

One button power-on, onboard monitoring and management, remote monitoring and management using mobile smart device or Command Center web service

Power Consumption

Max 30W

Storage

Up to 18 hours with 128 SD card

SD Card Slot (up to 256G)

1 card slot

Video Input Resolution

SDI Input
4K 2160p60/59.94/50/30/29.97/25/24/23.98
HD 1080p 23.98/24/25/29.97/30/50/59.94/60,
1080i 50/59.94/60, 720p 50/59.94/60
SD PAL 625i/50
SD NTSC 525i/59.94

HDMI Input
4K 2160p60/59.94/50/30/29.97/25/24/23.98
HD 1080p59.94/60, 1080i 50/59.94/60, 720p
50/59.94/60
SD PAL 625i/50
SD NTSC 525i/59.94

Encoding and Compression Standard

H.265/HEVC or H.264 (HD Only)

Variable Bit-Rate Encoding

TVU Smart VBR hardware encoder

Bit-Rate

100K-50Mbps

Return Video Feed

TVU One feed or SDI input at Server
HotSpot stream on the same server

Recording

HD Only

Glass-to-Glass Latency

0.8 seconds

Battery Run Times

Internal - 4.5 hours
External (PowerPac) - 8 hours

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)
2.2lbs (1kg)

Voice Communication

IFB
Bidirectional VoIP

Color Space & Bit-depth

10-bit, 4:2:0

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**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**Anatel Certified**

www.tvunetworks.com
857 Maude Avenue, Mountain View, CA, 94043
+ 1.650.969.6732