TVU One® 4K

Advantages

△ Compatible with a wide variety of devices and video formats
△ Reliable low-latency, high-quality transmission
△ Support for HLG and 10-bitHDR
△ Encodes up to 10 bit. 4K 50/60P
△ Portable and easy to use
△ Max bit-rate 100Mb/s
△ 5G ready

Because details matter.

The first cellular Pack solution with true 4K 50/60P 10-bit transmission.
TVU One® 4K Technical Specifications*

**Video Input**
12G-SDI and HDMI 2.0 video inputs

**Audio Input**
Embedded Audio, up to 8 channels

**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/5G modems, embedded 2.4/5GHz WiFi, Ethernet, and 4 USB connections for external modem connections

**Modem Support**
6 embedded 5G/LTE
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

**Video Input Resolution**

| SDI Input | 4K 2160p60/59.94/50/29.97/25 |
| HD 1080p25/29.97/30/50/59.94/60, 1080i 50/59.94/60, 720p 50/59.94/60 |

| HDMI Input | 4K 2160p60/59.94/50/29.97/25 |
| HD 1080p59.94/60, 1080i 50/59.94/60, 720p 50/59.94/60 |

**Encoding and Compression Standard**
H.265/HEVC or H.264 (HD Only)

**Variable Bit-Rate Encoding**
TVU Smart VBR hardware encoder

**Bit-Rate**
100K-100 Mb/s

**Return Video Feed**
TVU One feed or SDI input at Server HotSpot stream on the same server

**Recording**
HD Only

**Glass-to-Glass Latency**
0.5 seconds

**Battery Run Times**
Internal - 4.5 hours
External (PowerPac) - 8 hours

**SD Card Slot (up to 256G)**
1 card slot

**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**
Bidirectional TVU Voice(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

**FCC and CE Compliant**
Anatel Certified

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*Specifications are subject to change.*