



# TVU One 4K

## Advantages

- △ Reliable low-latency, high-quality transmission
- △ Support for HDR and 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**

SDI video input  
Up to 12G  
Supports single, dual and quad link  
(4:2:2/4:2:0)

**Audio Input**

8 channels embedded in UHD (4K)/HD/SD

**On-unit Video Storage**

eMMC (15GB)

**Supported Data Connections**

Simultaneously aggregates up to 12 data connections including WiFi and Ethernet. System supports CAT12 3G/4G/LTE modems, 2.4 GHz 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

**Video Input Resolution**

UHD Video Standards  
2160p60, 2160p59.94, 2160p50  
2160p30, 2160p29.97, 2160p25  
2160p24, 2060p23.98

**HD Video Standards**

1080p60, 1080p59.94, 1080p50

**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 - 7 hours

**Digital Memory Card Slot**

SD card (up to 128GB)

**Operating Temperatures**

0°C to 40°C (32°F to 104°F)

**Power Consumption**

Max 30W

**Voice Communication**

IFB  
TVU Voice

**Patented Transmission Algorithm**

Inverse StatMux Plus (IS+)

**Start-Up Time**

Less than 30 seconds

**External Interface Connections**

SDI, 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

**Unit Dimensions & Weight**

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

**FCC and CE Compliant****SARs Certified****Planet Communications Asia PLC.**

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