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

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*Specifications are subject to change.