



# TVU One

The ultimate compact IP video transmitter:  
HD picture quality with half-second latency  
at 3Mbps



## TVU One Technical Specifications\*

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### Multiple Transmission Types

Aggregates cellular, Microwave, Satellite, WiFi, BGAN, and Ethernet

### Low Latency

transmit with 0.5 second latency at 3Mbps in real-world conditions

### Supports Embedded Modems

Holds up to six embedded modems with the option of adding up to four external USB modems

### Dependable Video

Uses proprietary IS+ technology with advanced FEC and H.264 or Enhanced H.265/HEVC

### Transmission Management with Smart Device

Wirelessly monitor and control the live transmission from a variety of wireless mobile smart devices

### Touchscreen Controls

Features an LCD touchscreen with live video preview and transmission controls

### One Button Operation

Single-button start that boots up in less than 40 seconds

### Smart VBR

Dynamically manages the bit-rate to adapt quickly to extreme fluctuations in bandwidth during live transmissions

### Portable & Lightweight

Weighs just 2.2 lbs /1 kg

### VoIP Enabled

Converse directly with a cameraman or talent in the field

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**Video Input Resolution**

HD/SD-SDI or HDMI 1 x HD/SD-SDI (BNC) input – 1080p-50/59.94, 1080p-25/29.97, 1080i-50/59.94, 720p-50/59.94, 480p-59.94i/480-29.97P, 576-50i/576-50p 1 x HDMI (Type A) –1080p-50/59.94, 1080p-25/29.97, 1080i-50/59.94, 720p-50/59.94, 480-59.94i/480-29.97P, 576-50i/576-50p

**Transmission**

Inverse StatMux or optional Inverse StatMux Plus (IS+)

**Start-up Time**

Less than 40 seconds

**Video Recording**

Up to 7 hours of live recording time

**Internal Battery Run Time**

4 hours

**Encoder Hardware Dimensions**

19cm x 12cm x 7cm (7.48" x 4.72" x 2.76")

**Operating Temperatures**

0°C to 40°C (32°F to 104°F)

**Audio Input**

Embedded up to 8-channel audio

**Dual Encoders**

Simultaneously live stream a transmission over IP while also encoding a completely separate recording to the internal SSD that can be retrieved for future use

**Supported Data Connections**

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

**External Interface Connectors**

SDI, HDMI, USB, Ethernet, IFB

**DC Input**

Right angle Mini Jack DC input that connects to external battery or supplied AC adapter. External power adapter: 11-18V DC

**Weight**

2.2 lbs / 1 kg

**TVU Software Version**

TVU7

**Audio/Video Encoding and compression**

H.264 or H.265

**Return Video Feed**

TVU One feed or SDI input at Transceiver; HDMI output Tx or HotSpot stream

**Glass-to-Glass Latency**

0.5 seconds

**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

**Carrying Case**

Belt-mount or shoulder bag carrying case options with hot swappable battery mount



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