TVU networks®

TVU One

The most innovative ultra-compact IP video transmitter

Transmission Management with Smart Device
Wirelessly monitor and control the live transmission from a variety of wireless mobile smart devices

Multiple Transmission Types
Aggregates cellular, Microwave, Satellite, WiFi, BGAN, and Ethernet

Touchscreen controls
Features an LCD touchscreen with live video preview and transmission controls

Low Latency
Transmit with as low as 0.5 seconds latency in moving, real-world conditions

Model TM1000 V2.0

One Button Operation
Single-button start that boots up in less than 20 seconds

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

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

Dependable Video
Uses proprietary IS+ technology with advanced FEC and enhanced H.265 / HEVC compression

Portable & Lightweight
Weighs just 2.2 lbs /1 kg

IFB Enabled
Speak directly to a headphone equipped cameraman or talent out in the field

TVU One Technical Specifications*

Video Input Resolution	HD/SD-SDI or HDMI 1 x HD/SD-SDI (BNC) input – 720-59.94P/50P, 1080-59.94i/50i, 480 59.94i/480-29.97P, 576-50i/576-50p 1 x HDMI (Type A) - 720-59.94P/50P, 1080-59.94i/50i, 480-59.94i/480 29.97P, 576-50i/576-50p
Audio Input	Embedded up to 4-channel audio
Audio/Video Encoding and compression	Enhanced H.265 encoder / HEVC compression
Transmission	Inverse StatMux Plus (IS+)
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
Return Video Feed	TVU One feed or SDI input at TX; Requires hotspot
Start-up Time	Less than 20 seconds
Supported Data Connections	Simultaneously aggregates up to 12 data connections including WiFi and Ethernet. System supports cellular 3G/4G/LTE modems, 2.4 GHz Wi-Fi, 5GHz Wi-Fi, WiMax, Ethernet, Microwave and KaBand, KuBand, BGAN Satellite connections.
Glass-to-Glass Latency	0.5 seconds
Video Recording	Up to 7 hours of live recording time
External Interface Connectors	SDI, HDMI, USB, Ethernet, IFB
Power Source	A single removable, rechargeable internal battery
Internal Battery Run Time	120 minutes
DC Input	Right angle Mini Jack DC input that connects to external battery or supplied AC adapter. External power adapter: 11-18V DC.
Transmitter Controls	One button start On-unit monitoring and management Remote monitoring and management using mobile smart device or laptop
TVU Social Support	Supports live streaming to Facebook Live. Also capable of of capturing and posting still images of TVU One's live stream to social media platforms
Encoder Hardware Dimensions	19cm x 12cm x 7cm (7.48" x 4.72" x 2.76")
Weight	2.2 lbs / 1 kg
Carrying Case	Belt-mount or shoulder bag carrying case options with hot swappable battery mount
Operating Temperatures	0°C to 40°C (32°F to 104°F)
TVU Software Version	TVU5

*Specifications and features are subject to change.

6/19/17