TVU TM930

Advantages

△ **Aggregates multiple cellular 3G/4G/LTE/5G, WiFi and/or Ethernet data connections**
△ **Provides flexibility of embedded and external cellular modems**
△ **Features Inverse StatMux technology for transmission reliability and resiliency**
△ **Portable form factor for easy go-anywhere use**

Affordable Live Streaming Transmitter with Robust Features

Operating on a budget doesn't mean you have to compromise on quality. TVU's TM930 uses the same award-winning technology available in higher end portable transmitters. The TM930 aggregates multiple cellular, Ethernet and WiFi connections together with TVU's proprietary Inverse StatMux technology for video transmission resilience.

The TM930 is also easy to use with one-button operation and fast start-up. It can also act as a gateway to the Internet with the optional hotspot feature, permitting access to the Internet.

· Supports up to three embedded and four external cellular modems
· Aggregates multiple cellular, Ethernet and WiFi connections
· Streams video in low sub-second latency
· Includes on-board storage for pristine recorded video
· Uses integrated software based encoding to allow for easy, remote product updates and upgrades

TM930 Technical Specifications*

Video Input Resolution

HD/SD-SDI or HDMI 1 x HD/SD-SDI (BNC) input –1080P/60P, 720-59.94P/50P, 1080-59.94P/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

H.264 or Optional H.265/HEVC

Transmission

Inverse StatMux or Optional Inverse StatMux Plus

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 40 seconds

Supported Data Connections

Simultaneously aggregates up to 9 data connections including WiFi and Ethernet. System supports cellular 3G/4G/LTE modems, 5G modems, 2.4 GHz Wi-Fi, 5GHz Wi-Fi, WiMax, Ethernet, Microwave and KaBand, KuBand, BGAN Satellite connections

Internal Modems

- Sierra Wireless EM7565 - TVUOne-611 - EM7565
- TM1000-5G (optional)
- 1 x 5G Internal Modem

Glass-to-Glass Latency

0.5 seconds

Video Recording

Up to 7 hours of live recording time

External Interface Connections

SDI, HDMI, USB, Ethernet, IFB

External Antenna Connections

Supports Up to three external antenna connections including permanent mount outdoor antennas

Power Source

A single removable, rechargeable internal battery

Internal Battery Run Time

4.5 hours

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

17.78cm x 12cm x 7.62cm (7" x 4.75" x 3")

Weight

2.15 lbs/.97 kg

Operating Temperatures

0°C to 40°C (32°F to 104°F)

Software

ENT-TVU7

TVU7 Enterprise software: enables use of 4 USB modems (if available in the hardware). Includes 7 hours of HD recording, meta-data/time codes on content, clipping, IFB, and Hotspot pass-though.

PRO-TVU7

TVU7 Pro software: enables use of 2 USB modems (if available in the hardware). Includes 3.5 hours of HD recording, time codes on content, and IFB.

STD-TVU7

TVU7 Standard software: includes 0.5 hours of HD recording. Does not enable use of any USB modems.

Accessories

TM1000-56

Hard carrying case (with custom foam inserts) for TM1000 (including backpack, dual charger and two external batteries); can additionally accommodate a rack-mount server (VS3200 or VS3500)

TM1000-50

Standard backpack for TVU One "v2 and v3" models (no mount for external battery)

TM1000-50V

Backpack for TVU One "v2 and v3" models, with mount for V-Mount external battery in the lower compartment of the backpack

TM1000-50G

Backpack for TVU One "v2 and v3" models, with mount for G-Mount external battery in the lower compartment of the backpack

TM1000-36

Camera Mount Bracket for TM1000/TM900 (for Gold Mount batteries); includes Power Tap Cable. Does not include batteries/charger.

TM1000-37

Camera Mount Bracket for TM1000/TM900 (for V-Mount batteries); includes Power Tap Cable. Does not include batteries/charger.

TM1000-HS

HotSpot Functionality to PRO SW

BATTERY-V

V-Mount high-capacity battery for use with TVUPack/TVUOne

CHARGER-V

Dual battery charger, for use with V-mount batteries

US-VALUE-V

Value pack: 2x V-Mount high capacity battery and 1x dual battery charger

TM1000-50G

Backpack for TVU One "v2" models, with mount for Gold Mount external battery in the lower compartment of the backpack

BATTERY-G

Gold Mount high-capacity battery for use with TVUPack/TVUOne

CHARGER-G

Dual battery charger, for use with Gold Mount batteries

US-VALUE-G

Value pack: 2x Gold Mount high-capacity battery and 1x dual battery charger

POWERPAC

TVU Powerpac 50Wh ultra-compact V-mount battery/power bank. Includes D-TAP socket and 3 USB plugs (USB-A, USB-C, and micro USB) and 4-level indicator light.

POWERPAC2

TVU Powerpac2 98Wh compact V-mount battery/power bank. Includes D-TAP socket and 3 USB plugs (USB-A, USB-C, and micro USB) and 4-level indicator light.

POWERPAC-CHG-US

Wall adapter (US plug) and USB-C charging cable for TVU Powerpac and Powerpac2. Includes adapter for charging TM1000v3 transmitters.

POWERPAC-CHG-GLOBAL

Wall adapter (Global Plug Set) and USB-C charging cable for TVU Powerpac and Powerpac2. Includes adapter for charging TM1000v3 transmitters.

BU-353S4

BU-353S4: USB GPS receiver

INVERTER

Vehicle mount power inverter