TVU One®

Advantages

△ **Reliably transmits high picture quality video even in congested or challenging environments**
△ **Uses patented IS+ transmission algorithm**
△ **Support for HDR and 1080P60 encoding at as little as 800kbps**
△ **Long internal battery life**
△ **HEVC/H.265 video compression**
△ **CNCed from high-density aluminum**

Unlike any transmitter.

HD picture quality with half-second latency at 3Mbps.

TVU One® - TM1000 V3 Technical Specifications*

Video Input
3G-SDI and HDMI 2.0 video inputs

Audio Input
Up to 8 channel embedded SDI/HDMI audio

Supported Data Connections
Simultaneously aggregate up to 12 data connections including internal/external cellular, WiFi, Ethernet, IP Microwave or Satellite (Ka/Ku/BGAN). System includes up to 6 embedded CAT12 3G/4G/LTE modems (WCDMA B1,2,4,5,6,8,9,19 LTE B1,2,3,4,5,7,8,9,12,13, 18,19,20,26,28,29,30,32,41,42,43,48,66), embedded 2.4/5GHz WiFi, Ethernet, and 4 USB connections for external modem connections

Modem Support
6 embedded
4 USB

Power Source
A single removable, rechargeable internal battery with an optional external Gold or V-Mount battery

Transmitter Controls
One button power-on, on board monitoring and management, remote monitoring and management using mobile smart device or Command Center web service

Power Consumption
Max 30W

Storage
Up to 18 hours with 128 SD card

Video Input Resolution
SDI Input
HD 1080p 25/29.97/30/50/59.94/60, 1080i 50/59.94/60, 720p 50/59.94/60
SD PAL 625i/50
SD NTSC 525i/59.94
HDMI Input
HD 1080p 25/29.97/30/50/59.94/60, 1080i 50/59.94/60, 720p 50/59.94/60
SD PAL 625i/50
SD NTSC 525i/59.94

Encoding and Compression Standard
H.265/HEVC or H.264

Variable Bit-Rate Encoding
TVU Smart VBR hardware encoder

Bit-Rate
100K-30Mbps

Return Video Feed
TVU One feed or SDI input at Server HotSpot stream on the same server

Recording
Supported, Dual Encoder

Glass-to-Glass Latency
0.5 seconds

Battery Run Times
Internal - 4.5 hours
External (PowerPac) - 8 hours

SD Card Slot (up to 256G)
1 card slot

Operating Temperatures
0°C to 40°C (32°F to 104°F)

Unit Dimensions & Weight
7.48 x 4.72 x 2.76in (190 x 120 x 70mm)
2.2lbs (1kg)

Voice Communication
Bidirectional IFB

Color Space & Bit-depth
8bit/10-bit, 4:2:0

Patented Transmission Algorithm
Inverse Statmux Plus (IS+)

Start-Up Time
Less than 30 seconds

External Interface Connections
SDI, HDMI, 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

FCC and CE Compliant

Anatel Certified