



One

Advantages

- △ Switch from single channel to 4-channel fully frame-synchronized REMI wireless transmission at any time.
- △ Boasts a weight of just 1.79kg with internal battery and stands at only 20mm tall.
- △ Transmits a stable and reliable glass-to-glass latency in as low as 0.3 seconds on cellular only.
- △ Aggregates up to 12 connections simultaneously with support for up to 6 embedded 5G modems.
- △ Features the most advanced antenna array supporting multiple antennas per modem available and uses the latest generation Sub 6GHz, 3GPP Release 16, 5G embedded modems.
- △ Utilizes patented next generation ISX technology for the most reliable and efficient transmission even under the most challenging network conditions.
- △ Offers optional 4K 50/60P HDR picture quality (12G-SDI ready hardware).
- △ Includes on-board, removable Li-Ion battery for unlimited runtime.

The Most Compact, Lightweight
Combination 5G Cellular
Transmission and Multi-Camera
Remote Production Portable
Transmitter



One Technical Specifications*

Form Factor

Portable backpack

OS

TVU 8

Video Resolutions

UHD 2160p
23.98/24/25/29.97/30/47.94/48/50/59.94/60
HD 1080p
23.98/24/25/29.97/30/47.94/48/50/59.94/60
HD 1080psf23.98/24/25/29.97/30
HD 1080i 50/59.94/60
HD 720p 50/59.94/60
SD PAL 625i/50
SD NTSC 525i/59.94

Video Inputs

Up to 4

Audio Inputs

Up to 8 channels embedded SDI,
8 channels embedded HDMI

Supported Data Connections

Simultaneously aggregates up to 12 data connections including internal/external cellular, WiFi, Ethernet, IP Microwave, Satellite (Starlink/Ka/Ku/BGAN). System includes up to 6 embedded 5G modems (w/ LTE/3G fallback), embedded 2.4/5GHz WiFi, Ethernet, and 4 USB connections for external modem connections

Modem Support

6 embedded 3GPP Release 16 5G/LTE/3G

Encoding and Compression Standard

H.264 or H.265/HEVC

Transmission Protocol

Inverse Statmux X

Variable Bit-Rate Encoding

TVU Smart VBR hardware encoder

Bit Rate

100K-125Mbps

Return Video Feed

TVU Producer or SDI input at Server
HotSpot stream on the same server

Recording

Supported, Dual Encoder

Glass-to-Glass Latency

0.3 seconds (via cellular)

WiFi

Onboard and external 2.4/5GHz

Battery Run Times

Internal - 2 hours; External (PowerPac) - 4 hours

Transmitter Controls

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

Storage

Up to 18 hours with 128 SD card

SD Card Slot (up to 256G)

1 card slot

Voice Communications

TVU RTIL, VoIP or IFB

Color Space & Bit Depth

4:2:0 or 4:2:2 (Up to 1080p), 8bit or 10bit

Start Up Time

Less than 30 seconds

External Interface Connections

SDI, HDMI, USB, Ethernet, IFB

Control Screen Specifications

3.5 inch, 16:10 LCD Touchscreen

Power Source

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

DC Input

Right angle Mini Jack DC input that connects to external battery or supplied AC adapter. External power adapter: 11-19V DC

Dimensions

(210 x 120 x 70mm)

Weight

1.79kg

Operating Temperature

0°C to 40°C (32°F to 104°F)

Certifications and Compliance

FCC and CE Compliant
Anatel Certified



www.tvunetworks.com
20370 Town Center Lane, Suite 100, Cupertino, CA 95014
+ 1.650.969.6732