

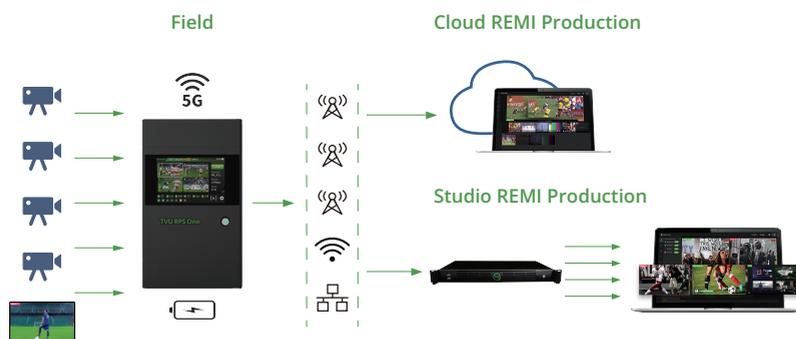


TVU RPS One

Advantages

- △ Delivers wireless studio and cloud remote production (REMI) using cellular connectivity
- △ Fully synchronized multi-camera transmission at sub-second latency
- △ Only product in its class that supports six embedded 5G 3GPP Release 16, sub-6 GHz modems
- △ Integrated end-to-end cloud-based live video production from the field to distribution Ultra
- △ lightweight, battery powered design for go-anywhere operation

The all-in-one hybrid cloud and studio remote production solution



TVU RPS One Technical Specifications*

Form Factor

Portable backpack

OS

TVU 8

Video Resolutions

HD 1080p, 1080i 50/59.94/60, 720p 50/59.94/60
 SD PAL 625i/50
 SD NTSC 525i/59.94

Video Inputs

4

Audio Inputs

Up to 16 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 (Ka/Ku/BGAN/Starlink). System includes up to 6 embedded 4G/LTE/5G modems, embedded 2.4/5GHz WiFi, Ethernet, and 4 USB connections for external modem connections

Modem Support

6 embedded 5G/LTE

Encoding and Compression Standard

H.264 or H.265/HEVC

Transmission Protocol

Inverse Statmux +

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

Audio Inputs

Up to 16 channels embedded SDI, 8 channels embedded HDMI

RecordingSupported, Dual Encoder
Dual encoding on all 4-channels**Glass-to-Glass Latency**

0.5 seconds

WiFi

Onboard and external 2.4/5GHz with MIMO antennas

Hotspot Enabled**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

8bit/10bit 4:2:0

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

Store and Forward Supported**Power Source**

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

Power Consumption

Max 30W

DC Input

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

Dimensions

7.87 x 4.72 x 2.76in (200 x 120 x 70mm)

Weight

2.2lbs

Operating Temperatures

0°C to 40°C (32°F to 104°F)

Certifications and Compliance

FCC and CE Compliant

Anatel Certified



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