

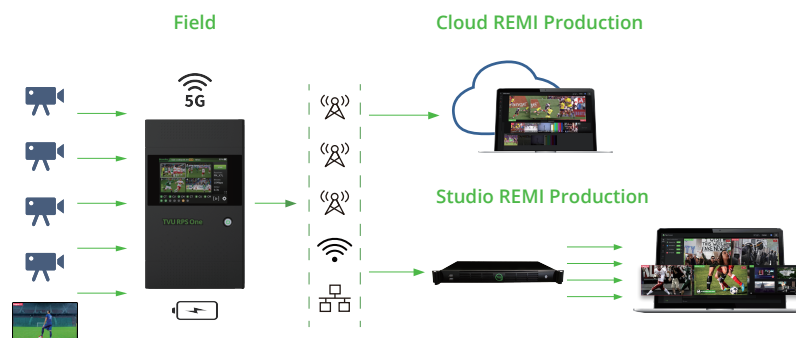


# TVU RPS One

## 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

**Recording**

Supported, 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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