

bwRVT

The body worn Remote Video Terminal is a lightweight RVT solution, that has long battery life providing the man on the ground with live video feed and full two-way access to the MESH network. All provided in a comfortable, wearable solution.

Key features:

- Modular solution with many packaging possibilities
- Can be equipped with most OEM data-links
- Completely weatherproof
- Quick power-on sequence
- Can connect to a hand-controller for payload control
- Radio module can be quick-mounted on a moving vehicle

Panasonic toughpad

Headset

Battery

Pouch

Radio with omni-directional antenna header



bwRVT Specifications

Standard configuration



Radio module	
Frequency range	2200-2500MHz ¹
Max TX power	4W (36dBm)
Waveform	Mobile Networked MIMO (MN-MIMO)
Modulation	BPSK, QPSK, 16-QAM, 64-QAM
Channel Bandwidth	5/10/20 MHz
Encryption	AES256
Tuning step size	1kHz
Data rates	100+ Mbps
No. of RF channels	2
Features	Spatial Multiplexing, Space-Time Coding, TX Eigen Beamforming, RX Eigen Beamforming
Physical interface	32pin pogo-pin connector (data) 2x BMA connectors (RF)
Signaling interfaces	Ethernet, USB 2.0, GPIO, RS232, analog (speaker, microphone)
Omnidirectional antenna configuration	
Components	Omnidirectional antenna adapter, radio module, omni-directional antennas, battery with UPS, cables
Polarization	Vertical
Antenna gain	2.15dBi
Maximum Range	20km RLOS
Weight	1.15kg
Dimensions	190 x 80 x 50mm (H x W x L)
Mounting options	Backpack/pouch (Optional tripod or lightweight mast system ie Rolatube, Cobham TR86)
Supply Voltage	20-33 VDC
Power Consumption	24W peak, 10W nominal
Physical interface	Lemo K series connector (EGG.2K.310)
Signaling interface	Ethernet
Tablet Computer	
Screen	10.1" 800nit
Resolution	1920 x 1200 (WUXGA)
Input	Multi touch screen
Storage	256GB SSD (options available)
RAM	8GB (options available)
Processor	Intel Core m5
Connectivity	Ethernet, HDMI, Bluetooth, WiFi, GPS, optional 4G
Battery life	Up to 10h with included external battery
Environmental	
Operating Temperature	-20 °C to +50 °C
IP rating	IP65
Standards	
Environmental	MIL-STD-810G
Features	
API support for integrating with third party software	
View and record live video feed from UAV, optional moving map, fire support and reporting tools	
Voice and audio chat with other parties in MESH network (UAV operator, other RVT-s)	
Bluetooth or audio jack headsets	
Equipment can be powered with standard BB-2590 battery	
Included tactical backpack, battery pouch and vest/plate carrier computer pouch (customization available)	
Modular design allows for easier future upgrade (other datalink options)	
Can be combined with antenna tracking system to extend the communication range	
Optional handgrip controller interface	
Integrated GPS receiver for positioning	

Note! Other data-link options possible. Other frequency ranges supported on request, contact Threod for more information.