

TACTICAL ROVER®p

Real-time Encrypted Video Direct to Ground Troops

The L3Harris TACTICAL ROVERp (TACp) provides analog and secure digital multiband ISR video directly to the dismounted user for real-time situational awareness.

PRODUCT DESCRIPTION

The TACTICAL ROVERp is an IP-based, multiband, secure, digital and analog receiver designed for ease of integration with very low SWaP.

Through its variety of interfaces, the user can connect our TACTICAL ROVERp to virtually any warfighter system, existing display device, computer and power source.



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Secure Communications to the Dismounted User

KEY BENEFITS

- > Widely inter-operable
- > Receives and displays video, position and sensor data simultaneously
- > Automatic waveform search
- > Speed dial preset recall
- > AES encryption

SPECIFICATIONS

PERFORMANCE CHARACTERISTICS

Receive Bands

- > L-band: 1.625 GHz to 1.85 GHz, 0.5 MHz steps
- > S-band: 2.20 GHz to 2.50 GHz, 0.5 MHz steps
- > C-band: 4.40 GHz to 4.94 GHz, 1.0 MHz steps
5.25 GHz to 5.85 GHz, 1.0 MHz steps
- > Ku-band¹: 14.40 GHz to 14.83 GHz, 1.0 MHz steps
15.15 GHz to 15.35 GHz, 1.0 MHz steps

Video

- > H.261
- > H.264
- > MPEG-2
- > MPEG-4
- > MJPEG
- > Analog NTSC/PAL

Decryption

- > AES
- > Triple DES

External Interfaces

- > TNC for RF input
- > 10/100 Base-T Ethernet
- > MBITR power connector
- > BNC for RS-170

Compatible Displays

- > Head-mounted displays
- > Wrist-mounts
- > PCs

Software-Programmable Receiver

- > User on-screen display
 - Pre-mission configurations
 - Automatic waveform search/acquisition
- > Configurable
 - Waveform
 - Band and frequency
 - Video
- > Ease of Use
 - Frequency-only configuration
 - Quick key “speed dial”
 - Easy GUI – Web interface
 - Frequency analyzer

PHYSICAL CHARACTERISTICS

Receiver SWaP (no battery):

- > Size: 3.0" (w) x 6.6" (h) x 1.5" (d)
- > Weight: < 1.1 lb.
- > Power: ~6 W, 9 to 16 VDC

Environmental:

- > Temperature: -40 °C to 65 °C
- > Immersion: 2m

			DIGITAL WAVEFORMS							
			DDL	DVB-T	Tactical ²	CDL ³	Legacy Digital (455)	466ER	VNW ⁴	
SUPPORTED FEATURES	Frequency Band	L	X	X	X			X	X	X
		S	X	X	X			X	X	X
		C		X	X		X	X	X	X
		Ku ¹			X	X		X	X	
	Decryption	AES	X	X	X	X		X	X	
		Triple DES			X	X		X	X	

1 Compatible data rates and frequencies only available with optional Ku-band accessory
2 Tactical data rates include 1.6, 3.2, and 6.4 Mbps
3 2.0 and 10.71 Mbps supported
4 VNW data rates range from 50 kbps to 5 Mbps

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