

TacSat Razor

UHF, tactical satellite, manportable antenna

Tactical Antennas: Handheld and Manpack



The TacSat Razor Antenna is an innovative solution to the need to provide front-line forces with robust, lightweight, on-the-move, high performance, tactical satellite communications.

Weighing around 1 kg, the TacSat Razor Antenna uses patented product design to offer a rapid deployment antenna in the UHF tacsat band. It is designed specifically for physically demanding battlefield conditions. A report addressing the usage of the antenna with regards to relevant radiation hazard standards is available.

Innovative and patented construction and deployment technologies make it easy and quick to deploy; and able to be operated in a “hands free” mode, keeping troops both ready for action and fully informed.

The TacSat Razor Antenna can be simply attached to the side of a standard military rucksack. Alternatively, it can be mounted on a standard tripod or camera spike or on a vehicle using a magnetic mount.

Users simply pull a strap to launch the antenna from its housing. The antenna is withdrawn back into the container by pulling the same strap in the other direction. A modular construction facilitates cleaning and ease of repair in the field.

The TacSat Razor Antenna reduces time to deploy and snagging; and eliminates the soldier ‘down time’ incurred by less effective ergonomic designs. It is environmentally qualified to MIL-STD-810G and is IP68 rated for water immersion. An instruction manual is provided.

Accessories

- Tripod
- Ground spike
- Magnetic mount

Spares

- Pouch
- Strap
- Upper finial elements
- Lower finial elements

Technical Specifications

Frequency	240 - 320 MHz
Peak Gain	8 dBiC on the vehicle 6 dBiC on the man
Half Power Beam Width	130°
Nominal VSWR	< 2:1 across the band
Nominal Impedance	50 Ω
Polarisation	RHCP
Maximum Power	20 W
Connector	N type
Overall Stowed Length	420 mm
Nominal Weight	1.25 kg
Environmental Qualification	MIL-STD-810G and IP68 rated for water immersion
Colours	Camo, NATO Green, Sand, Black, White

Patent Pending



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All specifications are subject to change without notice

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