



Multi-Band Tracking Antenna

Portable, High-Performance Datalink for Manned or Unmanned Aircraft.

The Multi-Band Tracking Antenna delivers the throughput to go the distance. Operate with up to two MPU5s for frequency redundancy with any aircraft up to 120+ miles.

Long Range & High Throughput

- MIMO technology for highbandwidth connectivity and reliability.
- 360° continuous rotation & <1° pointing accuracy for optimal, bidirectional communication.
- Operate in L-, S-, and C-Bands without switching feeds.
- Dual band operation with two MPU5s or one MPU5 with a third party radio.

Portable, Lightweight, & Durable

- Two-person setup in <15 minutes.
- Rugged design for performance in harsh conditions.

Resilience Against EW

- If one band becomes too congested, the other will continue to track without reconfiguration.
- Continue tracking aircraft in GPS-denied environment

The Soldier Empowered with Information

- Stream HD Video & IP Data from aircraft over long distances.
- Meet growing data exfiltration requirements.
- Layer 2 connectivity between payloads and the enterprise.



Specifications

Total Weight	124.54 lbs / 56.5 kg (system only). 269.2 lbs / 122.1 kg (in cases).
Colour	Black.
Number of Cases	5 x Rollable carrying cases with custom foam.
Total Case Volume	30 ft ³ .
Assembly / Set Up Time	15 minutes / 2 person (not including configuration).
Elevation	-5° to +80°.
Pan	360° continuous rotation.
Pointing Accuracy	<1°.
Calibration	Self-calibration via automatic heading system.
Input Voltage	100 - 240 VAC. 18 - 34 VDC (Compatible with BB-2557, BB-2590 & BB-5590 batteries or equivalent). 240W Max. power consumption.
Operating Temperature	-15°C to +55°C.

Environmental	IP67 rated.
Antenna Gain	L-Band: 20.8 dBi . S-Band: 25 dBi . Lower C-Band: 28.3 dBi . Upper C-Band: 30.5 dBi .
Beamwidth	L-Band: 11.5° . S-Band: 6° . Lower C-Band: 3.5° . Upper C-Band: 2.25° .
Polarisation	Dual polarised. Twist-lock change between vertical / horizontal & slant 45° polarisation.
Feed Frequency Range	1.2 - 6 GHz. Single Tri-Band Feed for all RF module frequencies.

RF Module Compatibility	
Frequency (MHz)	RF Module P/N
1350 - 1390 MHz	RF-1150
2025 - 2145 MHz	RF-2125
2200 - 2507 MHz	RF-2150
4400 - 5000 MHz	RF-4100



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Technical specifications are subject to change without notice.

