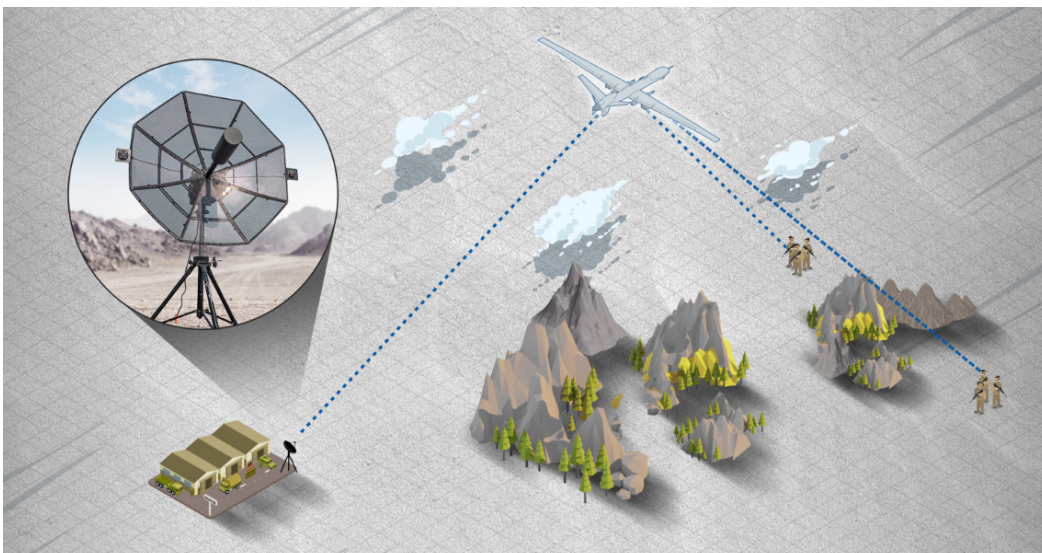




## Multi-Band Tracking Antenna

**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.



# System Specifications

## Physical

### Weight

124.54 lbs. / 56.5 kg (system only)  
269.2 lbs. / 122.1 kg (in cases)

### Colour

Black

### Number of Cases

(5) rollable carrying cases with custom foam

### Total Case Volume

30.7 ft<sup>3</sup>

### Assembly / Setup Time (not including configuration)

15 minutes, 2 person

## Operational

### Elevation

-5° to +80°

### Pan

360° continuous rotation

### Pointing Accuracy

<1°

### Calibration

Self-calibration via automatic heading system

## Electrical

### Input Voltage

100 - 240 VAC  
18 - 24 VDC (Compatible with BB-2557, BB-2590, and BA-5590 batteries of equivalent)

### Max. Power Consumption

200W

### Operating Temperature

-15°C to +55°C

### Environmental

IP67

## RF

### 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°

### Polarization

Dual Polarized

## RF

RF Module Compatibility		
Antenna Feed	Freq. (MHz)	RF Module P/N
L-Band	1350 - 1390MHz	RF-1100
		RF-1150
S-Band	2025 - 2507MHz	RF-2125
		RF-2100
		RF-2150
C-Band	4400 - 6000 MHz	RF-5100
		RF-4100

### LONG RANGE & HIGH THROUGHPUT

- MIMO technology for high-bandwidth 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

### RESILIENCE AGAINST EW

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

### PORTABLE, LIGHTWEIGHT & DURABLE

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

### BE 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

