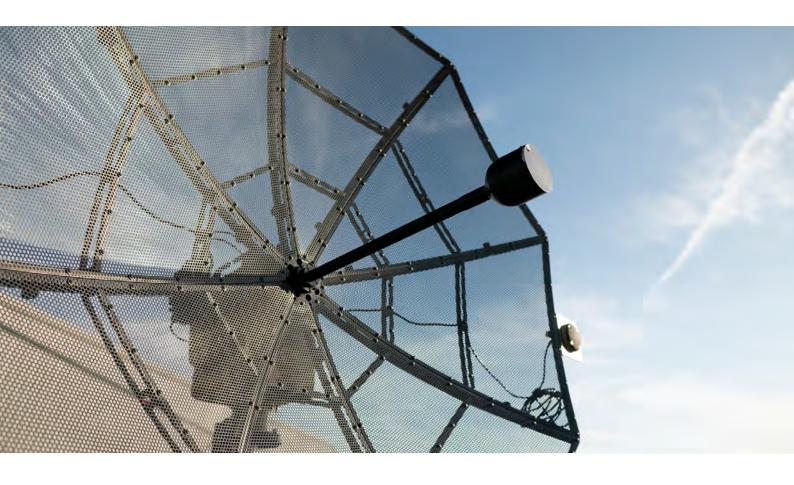
Interoperability Specialists





Auto-Tracking Antenna System

Portable, High-Performance Datalink for Manned or Unmanned Aircraft

Introducing the Auto-Tracking Antenna System - a deployable system that works in concert with the MPU5 radio to deliver high throughput at long ranges to keep you in constant communication with your aircraft. Disassembling into five, easy-to-transport cases, the system can travel with you wherever you go. Long range high throughput communication to manned and unmanned aircraft has never been so simple.





TRACKING ANTENNA SPECIFICATIONS

PHYSICAL

Weight

117 lbs. / 53.1 kg (system only) 233.5 lbs. / 106 kg (in cases)

Color

Black

Number of Cases

(5) rollable carrying cases wit custom

Total Case Volume

30 ft³

Assembly/Setup Time (not including configuration)

15 minutes, 2 person

OPERATIONAL

Elevation

-5° to +82°

Pan

360° continuous rotation

Pointing Accuracy

< 19

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 Feed

L-, S-, & C-Band Feeds included

RF Module Compatibility		
Antenna Feed	Freq. (MHz)	RF Module P/N
L-Band	1.2 - 1.6 GHz	RF-1100
		RF-1150
		RF-2125
S-Band	1.7 - 2.7 GHz	RF-2100
		RF-2150
C-Band	40-60GHz	RF-5100
O Dana	4.0 0.0 0112	RF-4100

Antenna Gain

L-Band: 24 dBi S-Band: 28 dBi Lower C-Band: 35 dBi Upper C-Band: 36 dBi

Beamwidth

L-Band: 10° S-Band: 6° Lower C-Band: 3°

Polarization

Dual Polarized

Twist-lock change between Vertical/ Horizontal and Slant 45° polarization

Long Range & High Throughput

- · MIMO technology for high-bandwidth connectivity and
- 360° continuous rotation & <1°pointing accuracy for optimal, bidirectional communication
- · Interchangeable feeds for quick changes between L-, S-, and C-Band

Portable, Lightweight, & Durable

- Designed for two-person setup in under 15 minutes
- · Sectional parabolic dish disassembles for easy transport in rollable cases that can ship via standard shipping
- · Rugged design ensures performance in harsh climates & weather

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

