

## PRELIMINARY

# GTA-150/18 Pac-Trac™ FAMILY Ku Band Man Pack Antenna

### > Applications

- TCDL Reception
- Surveillance
- Homeland Security
- FAC Operations

### > Benefits

- Small and Portable
- Simple Operation
- Excellent Reception to 12km
- Fully Self-Contained
- Ku Antenna Standard, Others Optional



The GTA-150/18|TTA-150/18 represent a family of rugged and portable tracking antennas that may be used with a variety of customer furnished or BMS supplied receivers. Standard configuration is for Ku reception from 14.4-15.35 GHz. Other antennas are available in L, S, and C bands and in various polarities. Simple set-up and operation is achieved through the serial or Ethernet port. The fast and lightweight positioner pinpoints and tracks the target using location data supplied from the aircraft or pseudo-monopulse tracking (requires RSSI from receiver). A Windows® software application is supplied with each unit that simplifies communication and calibration of the antenna. A cable set is supplied; an RF cable may be ordered separately.

Please consult BMS for more information.

## > GTA-150/18 Pac-Trac™ Family Ku Band Man Pack Antenna

Specification	GTA-150/18	TTA-150/18
Frequency	14.4-15.35 GHz (others available)	
Gain (dBi)	18 dBi min.	
Polarization	RHCP	
VSWR	2.0:1	
Azimuth beam width (deg.)	18	
Elevation beam width (deg.)	18	
Tracking modes	AeroTrac™ (GPS command) AutoTrac (pseudo-monopulse*)	Slave using Multi-Control Point™ software
Azimuth speed (deg./sec.)	60	
Elevation speed (deg./sec.)	40	
Input voltage	24-28 VDC	
Control	RS-232, RS-485, Ethernet connections	
Antenna and controller weight	< 8 lbs. (< 3.63 kg)	
Antenna dimensions	6.75" diameter x 16" tall (22.86 cm x 40.64 cm)	
Optional	Portable tripod mount	
Optional LNA noise figure (dB)	≤ 2.0	N/A
Optional LNA gain (dB)	30 dBm	N/A
Optional PA	N/A	5 W (others optional)

\* Requires compatible receiver

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