

PROBECOM LAND MOBILE COMMUNICATION PARABOLIC ANTENNA



Probecom Land Mobile Communication Parabolic Antenna uses ring focus back feed antenna, it has high gain, the mobility is strong and tracking effect is superior. It is suitable for different kinds of communication.

Features:

- *Ring focus back feed antenna, low weight and high accuracy.
- *Carbon fiber honeycomb interlayer structure.
- *High accuracy GPS/INS integrated attitude azimuth measurement technology.
- *Innovation of the 4-axis tracking structure.
- *Narrowband satellite beacon identification technology.

*Radome uses Nomex honeycomb composite material.

Specifications:

Parabolic On The Move Antenna	
Model No.	P9001
Stabilization Type	2-axis
Dimension (diameter×height)	113×105cm
Antenna Weight	50kg
Operation Frequency	Rx:12.25-12.75GHz Tx:14.0-14.5GHz
Antenna Type	Ring focus back feed
Antenna Gain	Rx:38.8dBi(12.5GHz) Tx:40dBi(14.25GHz)
Cross-polarization Isolation	> 30dB
Side-lobe Envelope Characteristic	ITU-R S.456-6(40WBUC 2M bandwidth)
Signal Polarization	Linear
Angular Velocity	Azimuth: 150°/s Elevation: 120°/s Polarization: 100°/s
Angular Acceleration	Azimuth: 800°/s ² Elevation: 800°/s ² Polarization: 600°/s ²
Dynamic Accuracy	0.2°RMSE
Travel Range	Azimuth: 360°continuous rotation Elevation: 0°-90° Polarization: 360°continuous
Initial Acquisition	<120s(pause) <180s(in motion)
Re-acquisition	<1 second for <30 seconds blockage <5 seconds for <20 minutes blockage
INS	Built-in
Power Input	AC220V, 50Hz
Temperature	-40℃ ~ 65℃