

MARITIME SATELLITE COMMUNICATION ANTENNA PM90



Probecom PM90 is a 90cm Ku-band maritime VSAT antenna system .With its 2-axis stabilization platform, PM90 provides the customer with a cost-effective solution in the majority applications.

Features:

- *High accuracy GPS/INS integrated attitude azimuth measurement technology
- *2-axis stabilization ; 3-axis tracking , gear drive
- *ODU takes IP67 design , dehumidification device
- *Built-in lightning protection electric design



Maritime On The Move Antenna	
Model No.	PM90
Stabilization Type	2-axis stabilization, 3-axis tracking, gear drive
Reflector size	90cm
Dimension (diameter×height)	113×105cm
Antenna Weight	70kg
Operation Frequency	Rx:10.7~12.75GHz ; Tx:13.75~14.5GHz
Antenna Type	Ring focus back feed
Antenna Gain	Rx:38.8dBi (12.5GHz) Tx:40dBi (14.25GHz)
Cross-polarization Isolation	>35dB
Side-lobe Envelope	ITU-PS , 465-6 (40WBUC 2M bandwidth)
Signal Polarization	Linear
Tracking Accuracy	0.2° RMSE
Carrier Motion Range	Roll:-30°~+30°, 5s cycle ; pitch: -30°~+30°, 5s cycle; Yaw: 30°/s
Angular Velocity	Azimuth: 100°/s ; Elevation: 100°/s ; Cross:100°/s; Polarization:100°/s
Travel Range	Azimuth: 360° continuous rotation; Elevation: -5°~90°; Polarization:-90°~+90°
Initial Acquisition	≤120s
Re-acquisition	<3 seconds for <60s blockage; <10 seconds for ≥60s blockage;
INS	Built-in, work without compass
Power Input	AC220V, 50Hz
Temperature	-40℃~65℃