

# M100

## 1.0m Ku Band Maritime Antenna

- High Intergrated of ACU,Modem and BUC
- Built-In INS
- Modular Design
- Simplified System Structure
- Easy Operation
- Remote Data Monitoring



MODEL	M100	
Stabilization	3 axis stable and 4 axis tracking	
Reflector Size	Φ1000mm	
Dimension	Φ1205mm×1250mm	
Weight	≤80kg	
Frequency Range	RX : 10.70 ~ 12.75GHz TX : 13.75 ~ 14.50GHz	
Gain	RX : 40.2dBi@12.50GHz TX : 41.8dBi@14.25GHz	
Polarization	Linear	
Cross Pol Isolation	≥30dB	
Carrier Motion Range	Roll : -30° ~ 30°	
	Pitch : -30° ~ 30°	
Antenna Motion Range	Azimuth : 360°continuous rotation	Elevation : -5° ~ 110°
	Roll: -30° ~ 30°	Polarization: 0° ~ 270°
Track Mode	carrier tracking	
Tracking Accuracy	0.2°RMS	
Initial Acquisition	≤120s	
Re-Acquisition	block time ≤60s,acquisition immediately	
	60s < block time≤10 minutes , acquisition≤15s	
	block time > 10minutes , acquisition≤60s	
Input Power	DC19~36V/AC110~240V , standard power consumption 80W	
Operating Temperature	-20°C ~ 60°C	