



TSM80

0.8m Lower Ku Band Maritime Antenna

- Highly Intergrated ACU, Modem and BUC
- Built-In INS(Inertial Navigation System)
- Modular Design, Easy Operation
- Simplified System Structure
- Remote Data Monitoring
- Full Ku band LNB, 8w BUC and IDirect iQ200 modem included



MODEL	TSM80	
Stabilization	3 axis stabilization and 4 axis tracking	
Reflector Size	Φ800mm	
Dimension	φ970mm×1020mm	
Weight (excl. Radome)	≤55kg	
Frequency Range	Rx: 10.7~11.8GHz Tx: 12.75~13.25GHz	
Gain	Rx: >37.00 dBi@11.8GHz Tx: >38.50dBi@13.25GHz	
Polarization	Linear	
Cross Pol Isolation	≥32dB	
Carrier Motion Range	Roll : -30° ~ 30°	
	Pitch : -30° ~ 30°	
Antenna Motion Range	Azimuth : 360°continuous rotation	Elevation : 10° ~ 110°
	Roll: -30°~ 30	Polarization: 0° ~ 270°
Track Mode	INS(initial navigation system) output (work independently without access to external heading information)	
Tracking Accuracy	0.2°RMS	
Initial Acquisition	≤180s	
Input Power	DC24V	
Power consumption	≤200w (excluding amplifier)	
Operating Temperature	-30°C ~+75°C	

MODEL	TSM80
Reflector diameter	80cm
Minimum E.I.R.P	46dBW
G/T	>15.9dB/K (clear sky, 30° elevation)
Skew range	Automatic (0 to 270)
Maximum ship motion	Roll±30°@8sec, Pitch±30°@8sec, Yaw±15°@8sec
Dimensions & Weight	Radome(D x H) 97cm x 102cm, Weight(incl.radome) ±55kg
Modem interface	Ethernet port
Modem Protocols	openAMIP / SNMP / Telnet / open BMIP
Remote access	TCP / IP
Humidity	According to IEC 60945
IP class	IP 30
Compass safe distance	0.5m according to IEC 60945



Address: TechStarSatCom 402 N Nursery Rd, Irving, TX 75061, USA

Email: info@starsatcom.com, Web: www.techstarsatcom.com