



Size:

0.35m

PMAR-35

Compact, Rugged Maritime Connectivity

As a leading antenna manufacturer, we proudly unveil the PMAR-35, our latest innovation for demanding maritime environments. This compact, dual-band antenna delivers reliable, high-quality satellite communication for vessels of all sizes, ensuring you stay connected from coastal waters to the open ocean.

Engineered for Reliability

Built with robust, weather-resistant technology, the PMAR-35 maintains seamless connectivity in challenging sea conditions. Its efficient stabilization system provides stable satellite tracking, delivering consistent data rates for essential communications, navigation, and operational updates.

Proven Versatility & Performance

Supporting both Ku and Ka bands, the PMAR-35 offers operational flexibility to meet diverse needs. It is the ideal, cost-effective solution for commercial shipping, fishing fleets, workboats, and recreational craft, providing trusted connectivity wherever your journey takes you.

Key Features

- X, Ku and Ka Band available
- Optional 3 ports in Ku-Band
- 3-Axes Stabilization System
- 4-Axes Tracking System
- Supports LEO/MEO/GEO Tracking
- Optional 4G/5G/LTE supported modem for load balancing and bonding solutions
- Low latency and high precision tracking
- Quick and precise automatic satellite acquisition
- Easy integration on various maritime vessels
- High Data Rate Transmission





GENERAL SPECIFICATIONS

Reflector Diameter	0.35m
Stabilization Platform	3-Axes for stability, 4-axes for tracking
Modem Interface	Ethernet, OpenAMIP
Modem Support	iDirect, Newtec, Gilat, Datum, Comtech, etc.
Power Input	DC 18-60V

PMAR-35

RF CHARACTERISTIC

	Ku-Band	Ka-Band
Frequency (GHz) Tx	13.75-14.50	29.0-30.0
Frequency (GHz) Rx	10.70-12.75	18.7-20.2
Antenna Gain (±0.2 dBi) Tx	32.0+20lg(f/14.0)	38.3+20lg(f/29.4)
Antenna Gain (±0.2 dBi) Rx	30.6+20lg(f/12.25)	35.0+20lg(f/19.6)
Tx-Rx isolation (dB)	85	85
RX-TX isolation (dB)	30	30
Cross Polarization (dB)	35 (Axis)	-
Polarization Form	Horizontal/Vertical Linear	LHCP/RHCP
Gain (dBi)	32.0+20lg (f14.0) / 30.6+20lg(f/12.25)	38.3+20lg(f29.4) / 35.0+20lg(f/19.6)
EIRP (dBw)	43.5 (16WBUC)	43.5 (4W BUC)
Antenna Pattern Compliancy	ITU-R S.580-6 and ITU-R S.465-6	ITU-R S.580-6 and ITU-R S.465-6
Pointing Accuracy	≤0.2° (R.M.S)	≤0.2° (R.M.S)
Initial Acquisition Time	≤2min	≤2min
Blockage Recovery Time	≤5s (blockage 5min)	≤5s (blockage 5min)
G/T (dB/K)	9.6	11.0

MECHANICAL/ POWER SPEC.

	Azimuth	Elevation	Polarization
Antenna Motion Range	360° continuous	-5° -105°	± 110°(Ku) ± 90°(Ka)
AZ/EL Revolution	100°/s	100°/s	
AZ/EL Acceleration	200°/S ²	200°/S ²	
Radom Dimensions	D: 456mm H: 434mm		
Weight	≤8.6Kg with 4W Ka-Band Transceiver and IQ200 Modem and Radome ≤8.9Kg with 16W Ku-Band Transceiver and IQ200 Modem and Radome		

ENVIRONMENTAL SPECIFICATIONS

	PMAR-35
Temperature Range Operational	-40 ~+55°C
Temperature Range Survival	-55 ~ +70°C
Protection	IP65

Specifications are subject to change.

