



**STANDARD**  
**MIL-STD**  
461F

**STANDARD**  
**MIL-STD**  
188-164A

**STANDARD**  
**MIL-STD**  
810G

## POMA-60

This antenna is used widely in ocean transportation, exploration, fishery, can be mounted on the oil drilling platform, large, medium and small ship to achieve image, voice and data transmission etc.

The antenna adopts 3-axis stabilizing pedestal, medium feed and the control system adopts composite control and tracking technology of gyro stability and forward feed compensation and conical scanning tracking, so to assure the antenna always points to the used synchronous orbit satellite and achieve high quality communication.

PALS-POMA-60 Ka is incredibly easy to manage, ensuring service providers can offer the best possible support to customers anywhere in the world.

## Key Features

- Carbon-Fiber reflector with light weight, high accuracy and perfect environmental suitability
- Adopts conical scanning and step tracking system, with fast tracking speed and high accuracy
- Independent operation of antenna attitude system and can access marine compass as backup, with high reliability
- Have one-key pointing satellite function with simple operation
- Supports beacon or DVB tracking
- Optional built-in Modem
- Supports Open AMIP protocol
- Temperature and humidity detection and temperature adjustment function





#### GENERAL SPECIFICATIONS

Reflector Diameter	0.60m
POL Mode	Circular
Pointing Satellite Mode	Auto + Manual
Controller	19 inch 1U Controller
Weight	≤45Kg

#### RF CHARACTERISTICS

	Tx	Rx
Frequency (GHz)	30 GHz ~ 31 GHz	20.2 GHz ~ 21.2 GHz
Gain (±2 dBi)	43.2 dBi	39.9 dBi
1st Sidelobe	≤-14 dB	
Suitable Sea Condition	Yaw±8° /15s, Pitch±10° /8s, Roll±10° /8s	
Tracking Accuracy	≤0.2°(R.M.S)	
Initial Pointing Time	≤120s	
Blockage Recovery Time	Blockage time <60s, recovery time <3s	

#### MECHANICAL SPECIFICATIONS

Motion Range	AZ: 360° continuous, EL: -10°~+115, Rolling Angle: -20°~+20°
Drive Rate	AZ: 100°/s, EL: 100°/s, Rolling:100°/s
Angular Acceleration	AZ: 200° /s2, EL: 200° /s2, Rolling:200° /s2

#### ENVIRONMENTAL SPECIFICATION

Operation Temperature	-25 ~ +55°C
Storage Temperature	-40 ~ +70°C
Survival Wind Resistance	12 Grade
Humidity	95% (20°C)
Protection	IP65

Compliances / Certificates



Would you like to get more information?

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