

Auto Tracking Maritime Satellite Communication Antenna

VSAT

- Small, lightweight and well integrated
- Easy to setup and use
- Automatic satellite acquisition
- Full Ka-Band support
- 3-Axis stabilized and 4-Axis tracking



KM-P6Ka

Designer and Manufacturer of Maritime Satellite Antennas

Kingsat is focused on designing, development, manufacturing and distributing maritime automatic satellite tracking antennas. Kingsat is aiming to provide perfectly matching solutions for TV and Internet via satellite while at sea.

Cost-effective and Powerful Ka-band VSAT

Kingsat's innovative KM-P6Ka is the perfect terminal for the smaller vessel with space constraint. With its 3-axis stabilization platform, the KM-P6Ka offers superior tracking performance and provides always-on service with the high quality and reliability.

Easy to Setup and Use

KM-P6Ka is user friendly design allows operators with little satellite experience to access internet services within minutes, it is designed for simplicity sufficing with minimal cables, and the IP-enabled antenna control unit provides convenient user interface.

Open System and Full Ka-Band Support

Kingsat VSAT are open systems compatible with various modems such as iDirect, Satnet, Hughes, UHP, Gilat ,STM, etc., and provide full Ka-band coverage.

Mechanical Specification

Dish Diameter:	60 cm(23.6")
Weight:	45KG(99lbs)
Radome Size:	73 X 82.4 cm (28.7" X 32.4")
Radome Material:	Honeycomb FRP

Antenna Stabilization

Operating Platform:	3-Axis + Auto Skew
Azimuth Range:	Unlimited
Elevation Range:	-15° to 120°
Cross Level Range:	± 30°
Skew Range:	Automatic, 0° to 90°
Position Acquisition:	Built in Gyro
Ship Motion Support:	Roll: ± 20° @8~12 sec Pitch: ± 10° @6~12 sec Yaw: ± 8° @15~20 sec
Tracking Accuracy:	Automatic tracking level ≤ 1.0dB (R.M.S)

Operating Specification

Rx Frequency:	18.7 ~ 21.2 GHz
Rx Gain:	≥39.6dBi@19.6GHz
Tx Frequency:	28.5~ 31GHz
Tx Gain:	≥43.5dBi@30.2GHz
G/T:	≥15.0dB/K (Clear Sky, 10° Elevation)
POL:	Circular (Tx: RHCP, Rx: LHCP)
Rx and Tx Isolation:	≥85 dB
LNB:	LO 16.75/17.35/17.65/18.05GHz
BUC:	LO 27.6GHz, 4W

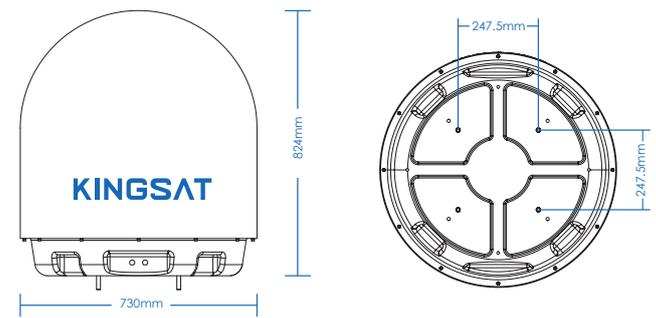
Antenna Control Unit

Dimensions (WxDxH):	48.2 X 30 X 4.5 cm
Weight:	3 kg
Display:	256 X 64 OLED
Modem Interface:	Ethernet Port/RS-232C
Modem Protocol:	Open AMIP
Management Port:	Need
LAN Port:	Need
Power requirement:	100-230VAC 50-60Hz
Modem Support:	IDirect, Gilat, Hughes, SatPath, UHP,Newtec (Other Modems can be required to match)

Working Environment

Operating Temperature:	-25°C ~ 55°C
Storage Temperature:	-30°C ~ 85°C
Humidity:	Up to 100% @ 40°C
Wind Speed:	60m/sec max from any direction
Water Proof:	IP56

Radome Dimension



Cable Connection Diagram

VSAT KM-P6Ka

