SUPERTRACK

A10AMK4

Ku-BAND Maritime VSAT Antenna

The SuperTrack A-Series is the perfect solution for ships looking for broadband speeds at sea. Stay in touch with your networks via high speed access to the internet, email, multiple VoIP phones and more

*Design is subject to change without notice

MOST SELECTED VSAT MODEL

Most customers in worldwide maritime industry have chosen SUPERTRACK A-Series as standard VSAT system for their vessels. The A-Series MK4 will be a optimal satellite communication performance to your vessels.

EASY MAINTENANCE

The A10AMK4 has minimized parts and PCU integrated all electric parts in one module. This feature allows easier maintenance of operators and service providers.

GYRO FREE SUPPORTING

A10AMK4 can support your connection even the vessel does not have gyro(s) or in any case of the gyro failure. A10AMK4 will sustain your network communication with tracking performance without vessel failure status related.

COST AFFORDABLE

With all the latest innovations, SUPERTRACK A-Series MK4 promise a product line-up which can fulfil all your needs at affordable costs.

RELIABILITY, THE BASIC VIRTUE

In the middle of sea, under various tough sea condition the most important factor or lifeline is high quality communication equipment with reliable connection, stable tracking and fast network performance. Live chatting with friends, video call with family, listening radio over IP, emergency phone calls and all kinds of communication to home-world require network sustainability with reliable equipment.
The SUPERTRACK is your reliable partner all the time.

PRODUCT KEY FEATURES

- **In-built DVB-S2X Tuner**
  Carrier SNR direct tracking is available

- **Easy Maintenance with simple modular design**
  All electrical control parts are integrated in one single module "PCU" for fast and easy maintenance.

- **Web interface & Remote software upgrade**
  Monitoring and Control (M&C) function and firmware upgrade fully supported via web interface.

- **Graphic monitoring support**
  Antenna signal strength or RSSD can be monitored through web GUI via PC and other wireless device such as tablet PC and mobile phone.

- **Wi-Fi support**
  ACU can be operated by Wi-fi interface, a seamless wireless interface between user and ACU

- **Automatic Satellite Search & Skew Control**

- **Unlimited Azimuth**

- **Accurate Signal Acquisition by KNS's Distinctive Algorithm**

- **Pre-programmed Satellite Database**
  Editable 80 satellite data

- **Antenna Control Unit**
  3 Types of Gyro Input (NMEA, Synchro, Step by Step)

- **Certification/Qualification**
  CE

KNS

A10AMK4 Ku -BAND Maritime VSAT Antenna

SPECIFICATIONS

ABOVE DECK

Dish Diameter	100cm (40″)
Antenna Dimension	144cm(D) x 152cm(H)
Antenna Weight	110 Kg
Frequency	TX : 13.75 ~ 14.5 GHz
	RX : 10.7 ~ 12.75 GHz
Antenna Gain	TX : 41.0 dBi @ 14.25 GHz
	RX : 40.0 dBi @ 11.75 GHz
G/T	18.89dB/k (in Radome)
	@ 30deg. Elevation angle and 11.75GHz, Clear Sky
Operating Platform	3 - Axis (Azimuth, Cross, Elevation)
LNB	Universal LNB(4LO selectable PLL LNB)
BUC	4W (6W,8W optional)
OpenAMIP	Support
Skew Control	Automatic
Elevation Angle	-20˚ to 110˚
Azimuth Angle	Unlimited
Cross Angle	± 35˚
Ship Motion	Roll : ±24˚ at 8-12 sec periods
	Pitch : ±14˚ at 6-12 sec periods
	Yaw : ±8˚ at 15-20 sec periods
Tracking Speed	More than 90˚/sec
Vibration Damper	Rubber Damper Included
Antenna Input Power	24~48V DC 4.18A
Temperature	-20˚C to +55˚C
Humidity	Up to 100% @ 40˚C
Wind load	150km/h Operational
	200km/h Survival
Sea State	6(Operational) & 8 (Survival)
Cable connector	Female F type connector

PACKING DIMENSION

Size	158 x 158 x 177 cm
Gross Weight	230Kg
Packed by	Wooden Crate

WARRANTY INFORMATION

2-year parts warranty

*Specification is subject to change without notice
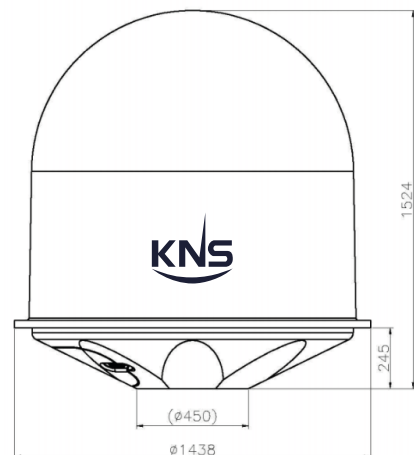
BELOW DECK

KA - 90K Antenna Control unit

ACU Size	313 X 192 X 44 mm
Gyro Interface	NMEA 0183
Input Power	100 ~ 240V AC, 50/60Hz, 4.0A
Out put Power	24~48V DC 2.5A max
External I/O	Mini-USB, USB, Ethernet, Wi-fi
	DB-9(RS-422 for NMEA 0183)
Monitoring	Web GUI
Cable connector	2 x F type connector for antenna,
	2 x F type connector for modem

MODEM SUPPORT

- iDirect X5/X7/iQ200
- STM : SatLink 2900
- Newtec : 2510/3310/5010
- Comtech : CDM-570L/625/840
- Gilat : SkyEdge II

RADOME DIMENSION