KNS The new standard of satellite communication

SUPERTRACK

Z10MK4

Ka-BAND Maritime VSAT Antenna

The SuperTrack Z-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 Z-Series as standard VSAT system for their vessels. The Z-Series MK4 will be a optimal satellite communication performance to your vessels.

EASY MAINTENANCE

The Z10MK4 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

Z10MK4 can support your connection even the vessel does not have gyro(s) or in any case of the gyro failure. Z10MK4 will sustain your network communication with tracking performance without vessel failure status related.

COST AFFORDABLE

With all the latest innovations, SUPERTRACK Z-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**

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Z10MK4 **Ka-BAND** Maritime VSAT Antenna

SPECIFICATIONS

ABOVE DECK

Dish ncy	105cm (41”)
	144cm(D) x 152cm(H)
Antenna Gain	110 Kg
	TX : 29.0 ~ 30.0 GHz
G/T	RX : 19.2 ~ 20.2 GHz
	TX : 48.09 dBi @ 29.5 GHz
Operating Platform	RX : 44.59 dBi @ 19.7 GHz
LNB	22.05dB/k(in Radome)
BUC	@ 30deg. Elevation angle and 19.7GHz, Clear Sky
BMIP	3 - Axis (Azimuth, Cross, Elevation)
Elevation Angle	PLL LNB
Azimuth Range	5W / 10W
Cross Angle	Included (BUC M&C Control)
Ship Motion	-20˚ to +110˚
	Unlimited
	± 35˚
Tracking Speed	Roll : ±24˚ at 8-12 sec periods
Polarization	Pitch : ±14˚ at 6-12 sec periods
Vibration Damper	Yaw : ±8˚ at 15-20 sec periods
Antenna Input Power	More than 90˚/sec
Temperature	Circular (Single Polarization)
Humidity	Rubber Damper
	48V DC, 4.18A
	-20˚C to +55˚C
	Up to 100% @ 40˚C

PACKING DIMENSION

Size	158 x 158 x 177 cm
Gross Weight	224Kg
Packed by	Wooden Crate

WARRANTY INFORMATION

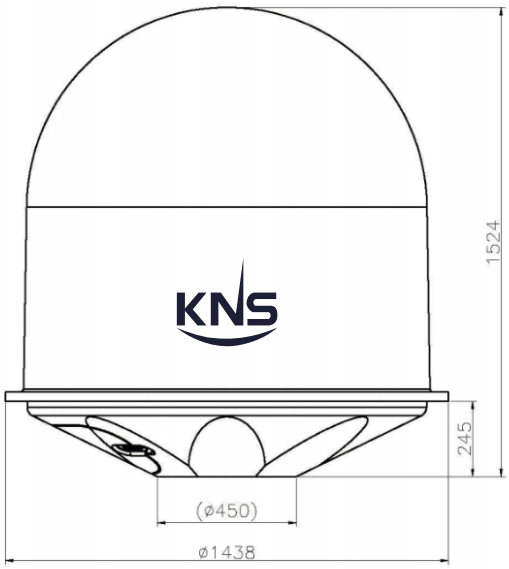
3-year parts, 1-year labour warranty

BELOW DECK

KA - 190 Antenna Control unit

ACU Size	19” Rack 1U size
Gyro Interface	NMEA 0183, Synchro, Step by Step
Input Power	100~240V AC, 8A/4A, 50~60 Hz
Out put Power	48VDC, 4.18A
External I/O	RS-232C, RS-422, USB, Mini-USB, Ethernet, Console
Monitoring	Web Interface Support (SCS)
Wi-fi Dongle	Wi-fi access is available (Optional)

RADOME DIMENSION



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