

SUPERTRACK

Z7MK2

KU-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 SERIES

The most customers in worldwide maritime industry have chosen SUPERTRACK Z Series MK2 as standard type VSAT System for their vessels. The Z Series MK2 convinces the optimal satellite communication performance to your vessels.

RELIABILITY, THE BASIC VIRTUE

On the middle of sea, under variable circumstances, the most important merit of communication equipment is reliable connection and stable tracking and network performance. Live chatting with friends, video call with family, listening radio over IP and even emergency phone calls, all kinds of communication to homeworld require network sustainability with reliable equipment. The SUPERTRACK Z Series, reliable partner all the time.

COST AFFORDABLE

With all the innovations, SUPERTRACK Z_Series MK2 has its various line-up and you can fulfil your needs with affordable costs.

PRODUCT KEY FEATURES

- **Automatic Satellite Search & Skew Control**
- **Accurate Signal Acquisition by KNS's Distinctive Algorithm**
- **Pre-programmed Satellite Database**
Editable 80 satellite data
- **Antenna Control Unit**
3 Types of Gyro Input (NMEA0183, Synchro, Step by Step)
- **Unlimited Azimuth**
Uninterrupted searching keep you in business however you ship turns Cable Wrap Free.
- **Brake System**
- **Certification/Qualification**

RoHS SES[^]
- **Warranty information**
3-year parts warranty



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SPECIFICATIONS

ABOVE DECK

Dish Diameter	75cm (30")
Antenna Dimension	113cm(D) x 117cm(H)
Antenna Weight	69 Kg
Frequency	TX : 13.75 ~ 14.5 GHz RX : 10.7 ~ 12.75 GHz
Antenna Gain	TX : 39.1 dBi @ 14.25 GHz RX : 37.5 dBi @ 11.75 GHz
G / T	16.37 dB/K (In Radome) @ 30deg. Elevation angle and 11.75GHz, Clear Sky
Operating Platform	3 - Axis
LNB	Universal LNB (4LO Selectable PLL LNB)
BUC	4W / 6W / 8W / 16W (optional)
OpenAMIP	Support
Skew Control	Automatic
Elevation Angle	-10° to +110°
Azimuth Range	Unlimited
Cross Angle	± 35°
Ship Motion	Roll : ±24.7° at 8 sec periods Pitch : ±15° at 6 sec periods Yaw : ±8° at 15 sec periods
Tracking Speed	More than 90°/sec
Vibration Damper	Rubber Damper Included
Antenna Input Power	TX: 48V DC 3.2A RX: 48V DC 4.18A
Temperature	-20°C to +55°C
Humidity	Up to 100% @ 40°C

PACKING DIMENSION

Size	120 X 120 X 140 cm
Gross Weight	142 kg
Packed by	Wooden Crate

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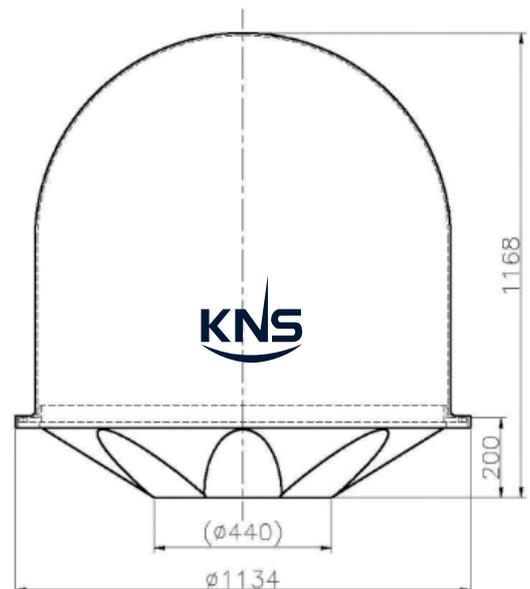
BELOW DECK

KA - 165 Antenna Control unit



Size	19" Rack 1U size
3 Type of Gyro input	NMEA0183, Synchro, Ste by step
Input Power	100~200V AC/ 200~240V AC 50/60Hz, 8A / 4A
Output Power	TX - 48V DC, 3.2A RX - 48V DC, 4.18A
Remote Access	Tmonitor, SCS Software, Telnet Terminal
External I/O	RS232C, Mini USB, Ethernet, Console

RADOME DIMENSION



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