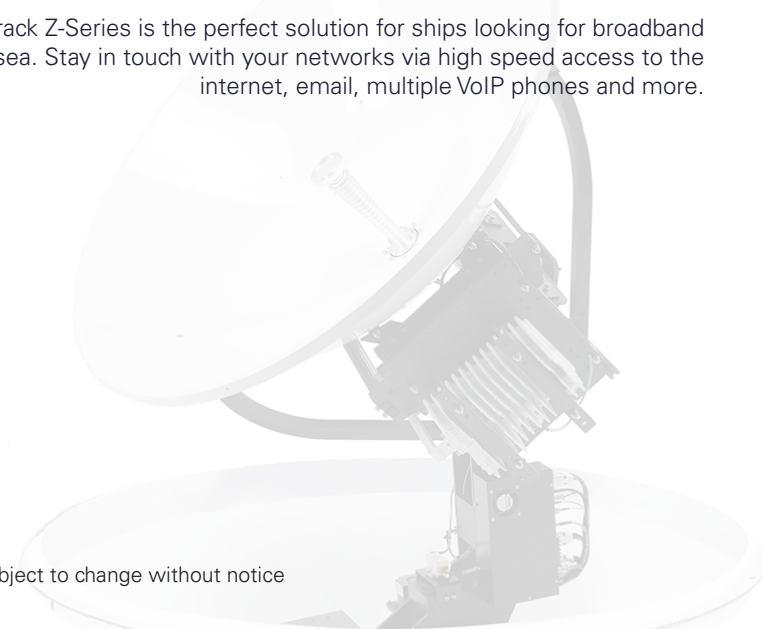


Z12MK2

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

INTELSAT CE06780 MIL-STD-167

R&TTE RoHS EN 302 340



Lower Loss
Hiher Durable
Radome

3+1

3 -Year Parts Warranty
1 -Year Labor Warranty



Dual Antenna System
Support



High Tracking Speed
More than 90° / sec

MOST SELECTED VSAT

The most customers in worldwide in maritime industry have chosen Z12mk2 as standard type VSAT System for their vessels. The Z12mk2 convinces the optimal satellite communication performance to your vessels.

ASI FREE

The biggest problem of compact VSAT will be ASI (Adjacent Satellite Interference) Problem. However, through the KNS's distinct transimttng control algorithm, the problem and risk of ASI is minimized.

OPEN AMIP

The most mandatory feature for HTS application is Open AMIP Protocol to switch the beam to other satellite when your vessel is going among different satellite footprint.

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 (NMEA, Synchro, Step by Step)
- **Unlimited Azimuth**
Uninterrupted searching keep you in business however you ship turns Cable Wrap Free.
- **Brake System**
- **CE & RTTE Certified**
- **INTELSAT Qualified**

Z12MK2

KU-BAND Maritime VSAT Antenna

Z _SERIES
SUPERTRACK

SPECIFICATION

ABOVE DECK

| | |
|----------------------------|--|
| Dish Diameter | 120cm (49") |
| Antenna Dimension | 161cm(D) x 163cm(H) |
| Antenna Weight | 142 Kg |
| Frequency | TX : 13.75 ~ 14.5 GHz RX : 10.7 ~ 12.75 GHz |
| Antenna Gain | TX : 42.87 dBi @ 14.25 GHz RX : 40.95 dBi @ 11.75 GHz |
| G / T | 20.79 dB/K (In Radome) @ 30deg. Elevation angle and 11.75GHz, Clear Sky |
| Operating Platform | 4 - Axis (Azimuth, Yaw, Elevation, Skew) |
| LNB | Single PLL LNB Universal LNB (optional) |
| BUC | 4W / 6W / 8W / 16W / 25W / 40W (optional) |
| Skew Control | Automatic |
| Elevation Angle | -20° to +110° |
| Azimuth Range | Unlimited |
| Cross Angle | ± 35° |
| Ship Motion | Roll : ±24° at 6-12 sec periods Pitch : ±14° at 6-12 sec periods Yaw : ±8° at 5-50 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 |

BELOW DECK

| | |
|-----------------------|--|
| ACU Size | 19" Rack 1U size |
| Gyro Interface | NMEA 0183, Synchro, Step by Step |
| Input Power | 100 ~ 120V AC / 200 ~ 240V AC, 50/60Hz, 8A/4A |
| Output Power | TX : 48V DC, 3.2A RX: 48V DC, 4.18A |
| External I/O | RS-232C, Mini-USB, Ethernet, Console |

PACKING DIMENSION

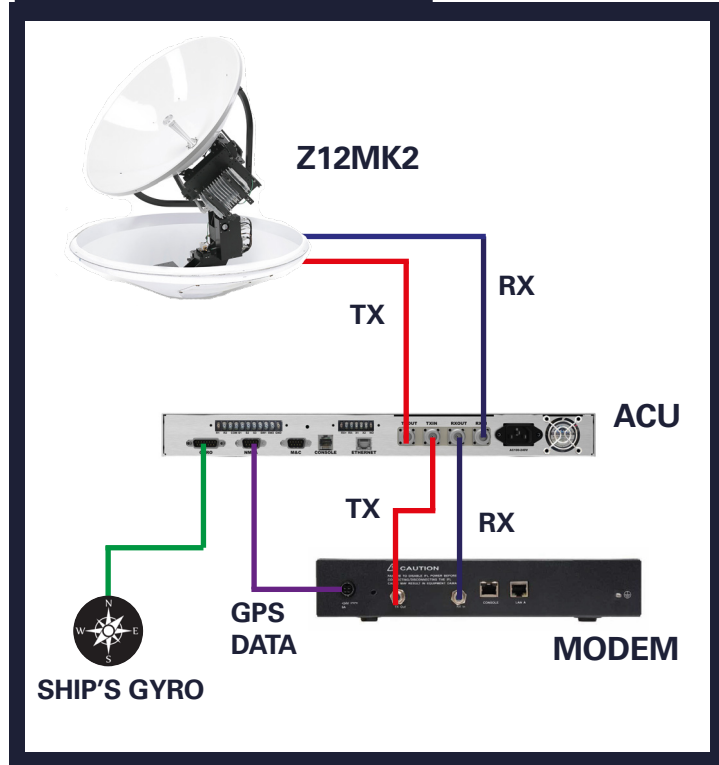
| | |
|---------------------|--------------------|
| Size | 174 X 174 X 190 cm |
| Gross Weight | 310 kg |
| Packed by | Wooden Crate |

WARRANTY INFORMATION

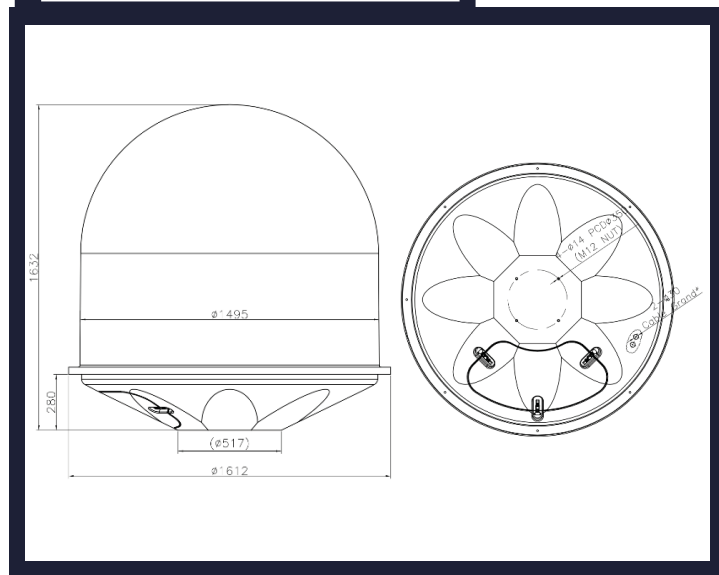
3-year parts, 1-year onboard labour warranty

*Specification is subject to change without notice

SYSTEM DIAGRAM



RADOME DIMENSION



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