

SUPERTRACK

Z8MK3

Ku-BAND Maritime VSAT Antenna

Undoubtedly, Z-series Mk3 is the best solution for the military application. Its rugged body is endurable in the harsh circumstances such as wartime condition with strong shock and vibration. This high-grade VSAT will allow your ultimate effectiveness of network connection, having shown its true worth in Naval vessels around the world.



*Design is subject to change without notice



Lower Loss
Higher Durable
Radome



Dual Antenna System
Support



High Tracking Speed
More than 90° / sec



Bluetooth Connection
between PC & PCU



Shock Absorber
MIL-STD-901 Complied

PRODUCT KEY FEATURES

- **Built in Shock Absorber**
- **Automatic Satellite Search & Skew Control**
- **Unlimited Azimuth**
Uninterrupted searching keep you in business however you ship turns
Cable wrap free
- **Brake System**
- **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)

HIGH END VSAT SYSTEM

This High-End SuperTrack Z-Series MK3 allows your ultimate effectiveness of network connection even though in harsher environment. You will feel the definite difference from what you expected at VSAT connection via our high performance and easy maintenance within more rigid body structure which is proudly approved for naval vessels.

(MIL-STD-901 compliance)

EASY MAINTENANCE

Z-Series MK3 hires same motor for all 3 axis and all MK3 systems. Moreover, All-In-One PCU helps to technicians for easier maintenance of Antenna System. Web-Based S/W makes easier diagnosis and maintenance.



Web-Based SCS S/W

CERTIFICATION/QUALIFICATION

Certification   RoHS



Z8MK3 Ku-BAND Maritime VSAT Antenna

SPECIFICATIONS

ABOVE DECK

| | |
|---------------------|---|
| Dish Diameter | 83cm(33") |
| Antenna Dimension | 113cm(D) x 117cm(H) |
| Antenna Weight | 103 Kg |
| Radome Material | Honeycomb FRP |
| Frequency | TX : 13.75 ~ 14.5 GHz RX : 10.7 ~ 12.75 GHz |
| Antenna Gain | TX : 39.9 dBi @ 14.25 GHz RX : 38 dBi @ 11.75 GHz |
| G / T | 16.89 dB/K (in Radome) @ 30deg. Elevation angle and 11.75GHz, Clear Sky |
| Operating Platform | 3 - Axis |
| LNB | Single PLL LNB Universal LNB (optional) |
| BUC | 4W / 6W / 8W / 16W (optional) |
| Skew Control | Automatic |
| Elevation Angle | -12° to +110° |
| Azimuth Range | 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 | Shock Absorber, Wire Rope Isolator Included |
| Antenna Input Power | 48V DC 4.18A |
| Temperature | -20°C to +55°C |
| Humidity | Up to 100% @ 40°C |

PACKING DIMENSION

| | |
|--------------|--------------------|
| Size | 128 x 128 x 158 cm |
| Gross Weight | 189Kg |
| Packed by | Wooden Crate |

BELOW DECK

KA - 180 Antenna Control unit

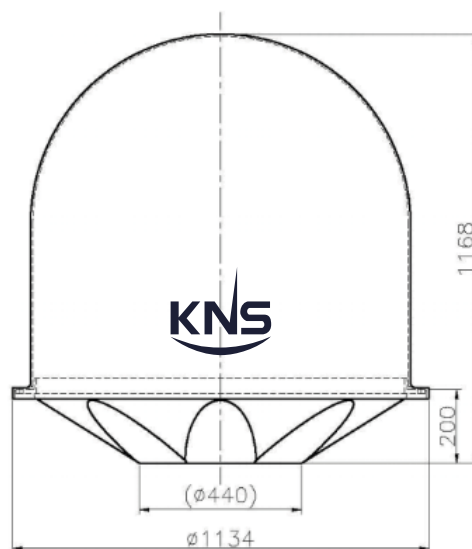


| | |
|----------------|--|
| ACU Size | 19" Rack 1U size |
| Gyro Interface | NMEA 0183, Synchro, Step by Step |
| Input Power | 100~120V AC / 200~240V AC, 50/60Hz, 8A/4A |
| Output Power | 48V DC, 4.18A |
| External I/O | RS-232C, Mini-USB, Ethernet, Console |

WARRANTY INFORMATION

3-year parts, 1-year labour warranty

RADOME DIMENSION



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