

SUPERTRACK

Z7MK3

Ku-BAND Maritime VSAT Antenna

Undoubtedly, Z-series Mk3 is the best solution for the military application. Its rugged body is durable 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

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



Lower Loss
Higher Durable
Radome



Bluetooth Connection
between PC & PCU



Dual Antenna System
Support



Shock Absorber
MIL-STD-901 Complied



High Tracking Speed
More than 90° / sec

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)

CERTIFICATION/QUALIFICATION

Certification
Military Standards

RoHS
MIL-STD-901 MIL-STD-461
MIL-STD-810 MIL-STD-167



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SPECIFICATIONS

ABOVE DECK

Dish Diameter	75cm(30")
Antenna Dimension	113cm(D) x 117cm(H)
Antenna Weight	86 Kg
Radome Material	FRP
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
BUC	4W / 6W / 8W / 16W (optional)
Skew Control	Automatic
Elevation Angle	-10° to +100°
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	Shock Absorber, Wire Rope Isolator Included
Temperature	-20°C to +55°C
Humidity	Up to 100% @ 40°C
Antenna Input Power	48V DC, 4.18A

PACKING DIMENSION

Size	128 x 128 x 158 cm
Gross Weight	165Kg
Packed by	Wooden Crate

BELOW DECK

KA - 180 Antenna Control unit

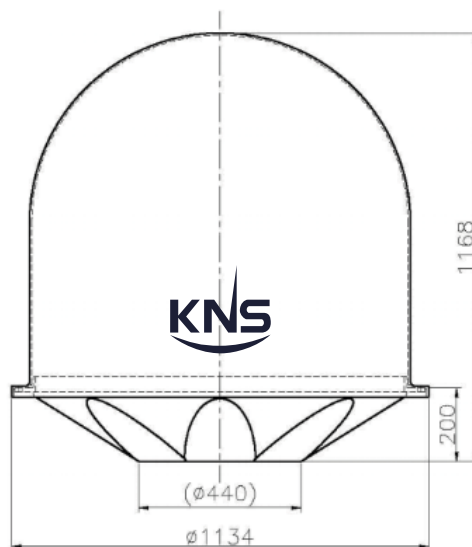


ACU Size	19" Rack 1U size
Gyro Interface	NMEA 0183, Synchro, Step by Step
Input Power	100~120V AC / 200~240V AC, 50/60Hz, 8A/4A
Output Power	48V DC, 4.18A
External I/O	RS-232C, Mini-USB, Ethernet, Console

WARRANTY INFORMATION

3-year parts, 1-year labour warranty

RADOME DIMENSION



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