

SUPERTRACK

Z12MK3

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



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SPECIFICATIONS

ABOVE DECK

Dish Diameter	120cm(49")
Antenna Dimension	161cm(D) x 163cm(H)
Antenna Weight	138 Kg
Radome Material	Honeycomb FRP
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	3 - Axis
LNB	Single PLL LNB / Universal LNB(optional)
BUC	4W / 6W / 8W / 16W / 25W / 40W (optional)
Skew Control	Automatic
Elevation Angle	-10° to +110°
Azimuth Range	Unlimited
Cross Angle	± 35°
Ship Motion	Roll : ±25° at 8-12 sec periods Pitch : ±15° at 6-12 sec periods Yaw : ±8° at 15-20 sec periods
Tracking Speed	More than 90°/sec
Vibration Damper	Shock Absorber and Rubber Damper
Temperature	-20°C to +55°C
Humidity	Up to 100% @ 40°C
Antenna Input Power	48V DC, 4.18A

PACKING DIMENSION

Size	174 x 174 x 190 cm
Gross Weight	310Kg
Packed by	Wooden Crate

WARRANTY INFORMATION

3-year parts, 1-year labour warranty

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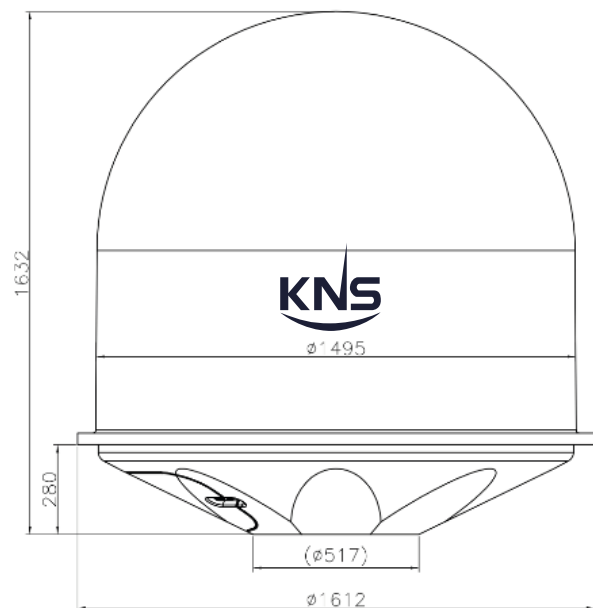
BELOW DECK

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

RADOME DIMENSION



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