

Z Series MK3

VSAT MARINE SATCOM



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.

U.S Military Standard Fully Complied

Z-series Mk3 is more than ready to support the military application. They are designed to meet U.S military standard test, MIL-STD-901D, MIL-STD-167, MIL-STD-461F and MIL-STD-810 by KNS' rigorous analysis of vibration and shock level in wartime environment. In virtue of the structural strength, Navies and Coast- guards in more than 15 countries are operating Mk3 over the years with high satisfaction.

Shock Absorber, Wire Rope Isolator and Rubber Damper Included

For rugged stabilizer in wartime environment, Z-series Mk3 equipped Shock Absorber in the pedestal and rubber dampers on the bottom. It makes the antenna protected from the heavy shock and strong vibration.

KNS Web-GUI Support

Separate installation of software is not required for monitoring and control. KNS web-interface allows you to operate the antenna more easily just with some clicks in your phone, PC, or Tablets with Wi-Fi. You can simply check the current status and set the parameters in real-time. Automatic Daily Report of Log history to your email is useful to monitor the system without log in Web-interface.

Simplified and Easier Maintenance

Z-series Mk3 concentrated on your convenience of maintenance and operation. Most of parts are compatible among all Mk3 systems. They can be replaced and switched among axis or different sizes of antennas, which simplifies the maintenance and spare parts.



Z10MK3

BELOW DECK
KA-180 Antenna Control unit



Bluetooth Connection between PC & PCU



Lower Loss, Higher Durable Radome



-All-in-One PCU



Remote Software Upgrade & Control



Shock Absorber MIL-STD-901 Complied



DUAL Dual Antenna System Support



High Tracking Speed More than 90° / sec



Temp & Power Consumption Monitoring




3-Year Parts Warranty
1-Year Labor Warranty

Z Series MK3

VSAT MARINE SATCOM



Ku-BAND	Z7MK3	Z8MK3	Z10MK3
Dish Diameter	75cm	83cm	100cm
Antenna Dimension	113cm(D) x 117cm(H)	113cm(D) x 117cm(H)	144cm(D) x 152cm(H)
Antenna Weight	86kg	103kg	120kg
Frequency	TX : 13.75 ~ 14.50GHz RX : 10.70 ~ 12.75GHz	TX : 13.75 ~ 14.50GHz RX : 10.70 ~ 12.75GHz	TX : 13.75 ~ 14.50GHz RX : 10.70 ~ 12.75GHz
Antenna Gain	TX : 39.1dBi@ 14.25GHz RX : 37.5dBi@ 11.75GHz	TX : 39.9dBi@ 14.50GHz RX : 38.0dBi@ 11.75GHz	TX : 41.0dBi@ 14.25GHz RX : 40.0dBi@ 11.75GHz
G / T	16.37dBk(in Radome) @30deg, Elevation angle and 11.75GHz, Clear Sky	16.89dBk(in Radome) @30deg, Elevation angle and 11.75GHz, Clear Sky	18.89dBk(in Radome) @30deg, Elevation angle and 11.75GHz, Clear Sky
Operating Platform	3-Axis	3-Axis	3-Axis
Skew Control	Automatic	Automatic	Automatic
Elevation Angle	-10° to +100°	-12° to +110°	-18° to +110°
Azimuth Angle	Unlimited	Unlimited	Unlimited
Cross Angle	± 35°	± 35°	± 35°
Ship Motion	Roll : ±24.7° at 8 sec periods Pitch : ±15° at 6 sec periods Yaw : ±8° at 15 sec periods	Roll : ±24.7° at 8~12 sec periods Pitch : ±14° at 6~12 sec periods Yaw : ±8° at 15~20 sec periods	Roll : ±25° at 8~12 sec periods Pitch : ±15° at 6~12 sec periods Yaw : ±8° at 15~20 sec periods
Vibration Damper	Wire Rope Isolators and Shock Absorber Included	Wire Rope Isolators and Shock Absorber Included	Wire Rope Isolators, Rubber Damper and Shock Absorber Included
Temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Humidity	Up to 100% @ 40°C	Up to 100% @ 40°C	Up to 100% @ 40°C
Certification / Qualification	MIL-STD-901D, MIL-STD-810 MIL-STD-461F, MIL-STD-167	CE	 MIL-STD-901D, MIL-STD-810, MIL-STD-461F, MIL-STD-167

* Specifications subject to change without notice

