X15MK3 X-BAND COMMUNICATION

X _SERIES
SUPERTRACK

When only the very best will do. KNS is proud to be a reliable supplier to the military. The SuperTrack X-Series antenna, currently available in 0.7m & 1m for KA and X-Band, has been engineered to provide the highest standards of sturdiness and functionality. The X-Series excels in flexibility during rough seas and durability to provide the military with first class performance 24/7. No other antenna can provide this level of broadband satellite communications at sea.

STANDARD FEATURES

- **Built in Wire Rope Isolator and Shock Absorber**
- **Automatic Satellite Search & Skew Control**
- **Web interface & Remote software Upgrade available**
- **Simplicity**
  Integrated into one module from Motor Driver, RF control module, PCU
- **Unlimited Azimuth & 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)

ABOVE DECK

Dish Diameter	150cm(58")
Antenna Dimension	212cm(D) x 206cm(H)
Antenna Weight	270 Kg
Radome Material	Honeycomb FRP
Frequency	TX : 7.9 ~ 8.4 GHz
	RX : 7.25 ~ 7.75 GHz
Antenna Gain	TX : 40.2 dBi @ 8.15GHz
	RX : 39.6 dBi @ 7.5GHz
G / T	16.37 dB/K @ 7.5GHz
	@30deg. Elevation, included Radome loss
Operating Platform	3-Axis (Yaw, Level, Cross)
LNB	Single PLL LNB / Universal LNB(optional)
BUC	4W / 6W / 8W / 16W (optional)
Skew Control	Automatic
Elevation Angle	-15˚ to +110˚
Azimuth Range	Unlimited
Cross Angle	± 35˚
Ship Motion	Roll : ±25˚ at 6-12 sec periods
	Pitch : ±15˚ at 6-12 sec periods
	Yaw : ±5˚ at 5-50 sec periods
Tracking Speed	More than 90˚/sec
Vibration Damper	Shock Absorber, Wire Rope Isolator and Rubber Damper
Temperature	-20˚C to +55˚C
Humidity	Up to 100% @ 40˚C
Antenna Input Power	48V DC, 4.18A

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	48V DC, 4.18A
External I/O	RS-232C, Mini-USB, Ethernet, Console
Remote Access	SCS Software, Telnet Terminal,
	T-Monitor, Web Interface

PACKING

Size	158 x 158 x 177 cm
Gross Weight	300Kg
Packed by	Wooden Crate
Certification/ Qualification	**WGS**

WARRANTY INFORMATION

KNS offers 3-year parts, 1-year onboard labour warranty for the SuperTrack series

* This Specification can be changed without notice.