

X10MK3 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	100cm(40")
Antenna Dimension	144cm(D) x 152cm(H)
Antenna Weight	120 Kg
Radome Material	Honeycomb FRP
Frequency	TX : 7.9 ~ 8.4 GHz RX : 7.25 ~ 7.75 GHz
Antenna Gain	TX : 36.89 dBi @ 8.15GHz RX : 36.3 dBi @ 7.5GHz
G / T	16.37 dB/K @ 7.5GHz @30deg. Elevation, included Radome loss
Operating Platform	3 - Axis
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 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, Rubber Damper and Wire Rope Isolator
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

PACKING

Size	158 x 158 x 177 cm
Gross Weight	262Kg
Packed by	Wooden Crate

WARRANTY INFORMATION

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

* This Specification can be changed without notice.

