Z12MK2 **KU-BAND** COMMUNICATION

The SuperTrack Z-Series is the perfect solution for ships looking for broadband speeds at sea. Stay in touch with your networks via high speed access to the internet, email, multiple VoIP phones and more.

Z _SERIES
SUPERTRACK

STANDARD FEATURES

- **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)
- **CE R&TTE Certified**
- **Intelsat Qualified**

ABOVE DECK

Dish Diameter	120cm(49")
Antenna Dimension	161cm(D) x 163cm(H)
Antenna Weight	142 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	-20˚ to +110˚
Azimuth Range	Unlimited
Cross Angle	± 35˚
Ship Motion	Roll : ±24˚ at 8-12 sec periods
	Pitch : ±14˚ at 6-12 sec periods
	Yaw : ±8˚ at 15-20 sec periods
Tracking Speed	More than 90˚/sec
Vibration Damper	Wire Rope Isolator Included
Temperature	-20˚C to +55˚C
Humidity	Up to 100% @ 40˚C
Antenna Input Power	TX : 48V DC, 3.2A
	RX : 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	TX : 48V DC, 3.2A
	RX : 48V DC, 4.18A
External I/O	RS-232C, Mini-USB, Ethernet, Console

PACKING

Size	174 x 174 x 190 cm
Gross Weight	310Kg
Packed by	Wooden Crate
Certification/ Qualification	INTELSAT CE0678① MIL-STD-167

WARRANTY INFORMATION

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

* This Specification can be changed without notice.