

# Z12MK3 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

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## SUPERTRACK



## STANDARD 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)
- **Intelsat Qualified**

## ABOVE DECK

<b>Dish Diameter</b>	120cm(49")
<b>Antenna Dimension</b>	161cm(D) x 163cm(H)
<b>Antenna Weight</b>	138 Kg
<b>Radome Material</b>	Honeycomb FRP
<b>Frequency</b>	TX : 13.75 ~ 14.5 GHz RX : 10.75 ~ 12.75 GHz
<b>Antenna Gain</b>	TX : 42.87 dBi @ 14.25 GHz RX : 40.95 dBi @ 11.75 GHz
<b>G / T</b>	20.79 dB/K (in Radome) @ 30deg. Elevation angle and 11.75GHz, Clear Sky
<b>Operating Platform</b>	3 - Axis
<b>LNB</b>	Single PLL LNB / Universal LNB(optional)
<b>BUC</b>	4W / 6W / 8W / 16W / 25W / 40W (optional)
<b>Skew Control</b>	Automatic
<b>Elevation Angle</b>	-10° to +110°
<b>Azimuth Range</b>	Unlimited
<b>Cross Angle</b>	± 35°
<b>Ship Motion</b>	Roll : ±25° at 8-12 sec periods Pitch : ±15° at 6-12 sec periods Yaw : ±8° at 15-20 sec periods
<b>Tracking Speed</b>	More than 90°/sec
<b>Vibration Damper</b>	Shock Absorber and Rubber Damper
<b>Temperature</b>	-20°C to +55°C
<b>Humidity</b>	Up to 100% @ 40°C
<b>Antenna Input Power</b>	48V DC, 4.18A

## BELOW DECK

<b>ACU Size</b>	19" Rack 1U size
<b>Gyro Interface</b>	NMEA 0183, Synchro, Step by Step
<b>Input Power</b>	100~120V AC / 200~240V AC, 50/60Hz, 8A/4A
<b>Output Power</b>	48V DC, 4.18A
<b>External I/O</b>	RS-232C, Mini-USB, Ethernet, Console

## PACKING

<b>Size</b>	174 x 174 x 190 cm
<b>Gross Weight</b>	310Kg
<b>Packed by</b>	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.

