

# Z7MK3

KA-BAND COMMUNICATION

**Z** \_SERIES  
**SUPERTRACK**

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.



## STANDARD FEATURES

- **Web interface & Remote software Upgrade available**
- **Simplicity**  
Integrated into one module from Motor Driver, RF control module, PCU
- **Automatic Satellite Search & Skew Control**
- **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

<b>Dish Diameter</b>	75cm(30")
<b>Antenna Dimension</b>	102cm(D) x 104cm(H)
<b>Antenna Weight</b>	66.5 Kg
<b>Radome Material</b>	Honeycomb FRP
<b>Frequency</b>	TX : 29.0 ~ 31.0 GHz RX : 19.2 ~ 21.2 GHz
<b>Antenna Gain</b>	TX : 45.49 dBi @ 30.0 GHz RX : 42.53 dBi @ 20.2 GHz
<b>G / T</b>	18.7 dB/K (in Radome) @ 30deg. Elevation angle and 20.2GHz, Clear Sky
<b>Operating Platform</b>	3 - Axis
<b>LNB</b>	Universal LNB
<b>BUC</b>	4W / 6W / 8W / 16W (optional)
<b>Skew Control</b>	Automatic
<b>Elevation Angle</b>	-10° to +100°
<b>Azimuth Range</b>	Unlimited
<b>Cross Angle</b>	± 35°
<b>Ship Motion</b>	Roll : ±20° at 8-12 sec periods Pitch : ±10° at 6-12 sec periods Yaw : ±8° at 15-20 sec periods
<b>Tracking Speed</b>	More than 90°/sec
<b>Vibration Damper</b>	Rubber Damper included
<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

## WARRANTY INFORMATION

KNS offers 2-year parts, 1-year onboard labour warranty for the SuperTrack series

\* This Specification can be changed without notice.