

# Z4MK2

## HYBRID KU-BAND COMMUNICATION

# Z \_SERIES

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## 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

- **Automatic Satellite Search & Skew Control**
- **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)
- **CE R&TTE Certified**
- **Polarization Skew Control**
- **DVB-S & DVB-S2**
- **HYBRID (TVRO + VSAT) Capable**

### ABOVE DECK

<b>Dish Diameter</b>	45cm(18")
<b>Antenna Dimension</b>	60cm(D) X 69cm(H)
<b>Antenna Weight</b>	32 Kg
<b>Radome Material</b>	Plastic / Honeycomb FRP (optional)
<b>Frequency</b>	TX : 13.75 ~ 14.5 GHz RX : 10.75 ~ 12.75 GHz
<b>Antenna Gain</b>	TX : 33.2 dBi @ 14.25 GHz RX : 33.0 dBi @ 11.75 GHz
<b>G / T</b>	11.0 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 (optional)
<b>Skew Control</b>	-90° to +90°
<b>Elevation Angle</b>	-20° to +95°
<b>Azimuth Range</b>	640°
<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>	24V DC, 2.7A

### BELOW DECK

<b>ACU Size</b>	253 x 175 x 44 mm
<b>Gyro Interface</b>	NMEA 0183
<b>Input Power</b>	100 to 240V AC, 50/60Hz, 1.5A
<b>Output Power</b>	24V DC, 2.7A
<b>External I/O</b>	Mini-USB

### WARRANTY INFORMATION

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

\* This Specification can be changed without notice.