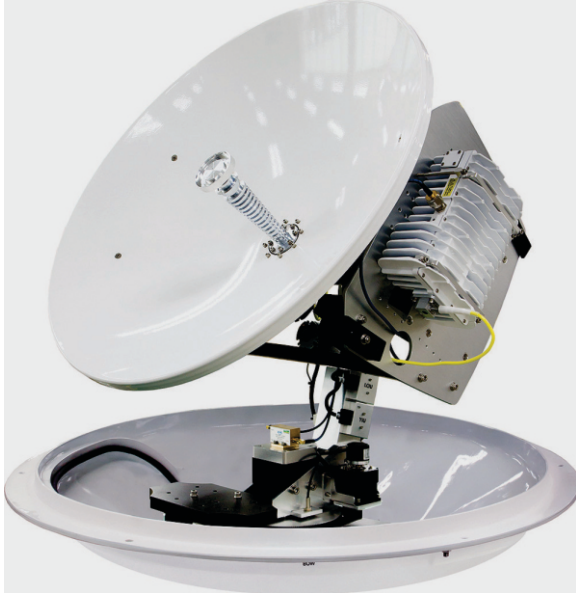


# TRACKSAT Ku-Band : Communications UltraTrack Z-Series

The UltraTrack 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

**Built in Shock absorber & Wire rope Isolator**

**High Power Rotary Joint**

**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 TrackSAT's Distinction Algorithm**

**Pre-programmed Satellite Database**

Editable 80 satellite data

**Antenna Control Unit**

3 Types of Gyro Input(NMEA, Synchro, Step by Step)

*Meets FC and CE requirement*

### ABOVE DECK

<b>Dish Diameter</b>	76cm(30")
<b>Antenna Dimension</b> <sup>(1)</sup>	102cm(D) x 104cm(H)
<b>Antenna Weight</b> <sup>(2)</sup>	69 Kg
<b>Radome Material</b>	Honeycomb FRP
<b>Frequency</b>	TX : 13.75 ~ 14.5GHz RX : 10.95 ~ 12.75GHz
<b>Antenna Gain</b>	Tx : 39.1 dBi @ 14.25GHz Rx : 37.5 dBi @ 11.75GHz
<b>G / T**</b>	16.37 dB/K (in Radome) Elevation angle @30deg. and 11.75 GHz Frequency
<b>Operating Platform</b>	3 - Axis
<b>LNB</b>	Universal
<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
<b>Temperature</b>	-20° C to 55° C
<b>Humidity</b>	Up to 100% @ 40° C
<b>Antenna Input Power</b>	48V DC, 6.6A

### 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 to 120V~/200 to 240V~, 50/60Hz, 8A/4A
<b>Output Power</b>	48V DC, 6.6A
<b>External I/O</b>	RS232C, Ethernet, Mini USB

### PACKING

<b>Size</b>	120 x 120 x 132 cm
<b>Gross Weight</b>	142Kg
<b>Packed by</b>	Wooden Crate
<b>Certification / Qualification</b>	IEC 60945 satisfied

### WARRANTY INFORMATION

TrackSAT offers **2-year parts, 1-year onboard labour warranty** for the UltraTrack series

\*Specifications subject to change without notice

\*\*Measured with Radome

**TrackSAT**