

Z10 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)


ABOVE DECK

Dish Diameter	100cm(39")
Antenna Dimension (1)	151cm(H) x 139cm(D)
Antenna Weight(2)	114kg
Radome Material	Honeycomb FRP 100cm(39")
Frequency	TX : 13.75 ~ 14.5GHz RX : 10.95 ~ 12.75GHz
Antenna Gain	TX : 41.7 dBi @ 14.5GHz RX : 40 dBi @ 11.75GHz
G / T**	18.89 dB/K (in Radome) @ 30deg. Elevation angle and 11.75GHz, Clear Sky
BUC	4W / 6W / 8W / 16W / 25W / 40W(optional)
Operating Platform	3-Axis (Yaw, Level, Cross)
LNB	Single PLL / Universal (optional)
Skew Control	Automatic (-90 ~ +90)
Elevation Angle	-18 to +110
Azimuth Range	Unlimited
Cross Angle	±35
Ship's 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	48V === , 6.6A

BELOW DECK

ACU Size	19" Rack 1U size
Gyro Compass Input	NMEA 0183, Synchro, Step by Step
Input Power	100 to 120V~/200 to 240V~, 50/60Hz, 8A/4A
Output Power	48V === , 6.6A
External I/O	RS-232C, Mini-USB, Ethernet

PACKING

Size	158 x 158 x 177cm
Gross Weight	224kg
Packed by	Wooden Crate
Certification / Qualication	MIL-STD167, CE0678D 

WARRANTY INFORMATION

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

*Specifications subject to change without notice

(1), (2) Radome included

**Measured with Radome

TrackSAT