## A\_SERIES

**VSAT** 

The SuperTrack A-Series is perfectly suitable to customers who are seeking compliance with SES and integrated LNB and BUC equipment within market approved body structure of Z-Series MK2.

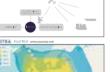
The feature of A-Series will be highly adaptable for VSAT functional and practical demands of general merchant vessels, fishing and offshore vessels, luxury yachts, leisure boats and so on, especially in EMEA (Europe, Middle East and Africa) region.

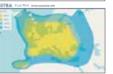
## A\_SERIES Ku - Band Communication

# Honeycomb Radome A6, A9, A10, A12 Tracking Speed More than 90°/ sec KNS

#### iLNB(Integrated LNB)







BUC: 0.5W / 0.8W (optional) or 0.8W Gain: 60dB type.

\*NOTE: Only available in Europe.

#### Brake System

Equipped on Elevation and Cross Axis

#### **Rotary Joint**

A9, A12

#### KA-75 Antenna Control Unit

Gyro Interface: NMEA Size: 253 X 175 X 44mm Output Power: 24V DC, 4.17A External I/O: Mini-USB

\*A12 Antenna: KA-160 Antenna Control Unit \*A6, A9: KA-75 Antenna Control Unit



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#### SUPERTRACK MARINE SATCOMS

### A\_SERIES Ku - Band Communication





KU-BAND	A <sub>6</sub>	<b>A</b> 9
Dish Diameter	61cm	83cm
Antenna Dimension	85cm(D) X 84cm(H)	113cm(D) X 117cm(H)
Antenna Weight	38kg	57kg
Frequency	TX : 13.75 ~ 14.5 GHz RX : 10.75 ~ 12.75 GHz	TX : 13.75 ~ 14.5 GHz RX : 10.75 ~ 12.75 GHz
Antenna Gain	TX : 36.4 dBi @ 14.25 GHz RX : 35.1 dBi @ 11.75 GHz	TX : 39.9 dBi @ 14.25 GHz RX : 38 dBi @ 11.75 GHz
G/T	14.8dB/K (in Radome) @ 30deg, Elevation angel and 11.75GHz, Clear Sky	16.89dB/K (in Radome) @ 30deg, Elevation angel and 11.75GHz, Clear Sky
Operating Platform	3-Axis	3-Axis
Skew Control	Automatic	Automatic
Elevation Angle	-10° to +95°	-10° to +100°
Azimuth Angle	640°	Unlimited
Cross Angle	± 35°	± 35°
Ship Motion	Roll: ±20° at 8-12 sec periods Pitch: ±10° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods	Roll: ±24° at 8-12 sec periods Pitch: ±14° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods
Vibration Damper	Rubber Damper Included	Rubber Damper Included
Temperature	-20°C to +55°C	-20°C to +55°C
Humidity	Up to 100% @ 40°C	Up to 100% @ 40°C
Hybrid /All-in-one	•	-
Certification / Qualification	€0678⊕	€0678⊕
Radome	FRP Honeycomb	FRP Honeycomb





KU-BAND	A10	A12
Dish Diameter	100cm	120cm
Antenna Dimension	144cm(D) X 152cm(H)	161cm(D) X 163cm(H)
Antenna Weight	90kg	105kg
Frequency	TX : 13.75 ~ 14.5 GHz RX : 10.75 ~ 12.75 GHz	TX : 13.75 ~ 14.5 GHz RX : 10.75 ~ 12.75 GHz
Antenna Gain	TX : 41 dBi @ 14.25 GHz RX : 40 dBi @ 11.75 GHz	TX : 42.87 dBi @ 14.25 GHz RX : 40.95 dBi @ 11.75 GHz
G/T	18.89dB/K (in Radome) @ 30deg, Elevation angel and 11.75GHz, Clear Sky	20.79dB/K (in Radome) @ 30deg, Elevation angel and 11.75GHz, Clear Sky
Operating Platform	3-Axis	3-Axis
Skew Control	Automatic	Automatic
Elevation Angle	-20° to +105°	-20° to +110°
Azimuth Angle	Unlimited	Unlimited
Cross Angle	± 35°	± 35°
Ship Motion	Roll: ±25° at 8-12 sec periods Pitch: ±15° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods	Roll: $\pm 24^{\circ}$ at 8-12 sec periods Pitch: $\pm 14^{\circ}$ at 6-12 sec periods Yaw: $\pm 8^{\circ}$ at 15-20 sec periods
Vibration Damper	Rubber Damper Included	Rubber Damper Included
Temperature	-20°C to +55°C	-20°C to +55°C
Humidity	Up to 100% @ 40°C	Up to 100% @ 40°C
Hybrid /All-in-one	<u> </u>	
Certification / Qualification	€0678©	€€0678⊕
Radome	FRP Honeycomb	FRP Honeycomb

\*Specifications subject to change without notice