

S Series

TVRO MARINE SATCOM



KNS S-series, the market proven with its 3-axis stabilization, has provided a high satisfaction of TV reception in the maritime market, S-series will convince you of the strong signal acquisition for more efficient performance in any vessels.

Market Proven

Believe the market reliability. KNS S-series have been operating for more than 15 years in the marine market with continuous improvement. The latest version is more robust with the whole pedestal upgraded and better performance with RF parts changed.

Seamless TV Signal Reception with HD

The seamless TV is guaranteed for your entertainment. To eliminate the interruption of TV reception, KNS has improved its gain and tracking accuracy with the loss reduced, which enables S-series to provide seamless SD and HD reception.

Global TVRO LNB option for S10 and S12

S10 and S12 optionally cover the global satellite TV without LNB replacement, supporting 8 LOS in both linear and circular polarity. In addition, it provides ease of LO selection on the ACU and SCS (SuperTrack Control Software).



S10



Lower Loss, Higher Durable Radome



2-Year Parts Warranty (S4, S6, S8)



Gyro Free Mode Support



3-Year Parts Warranty
1-Year Labor Warranty (S10, S12)



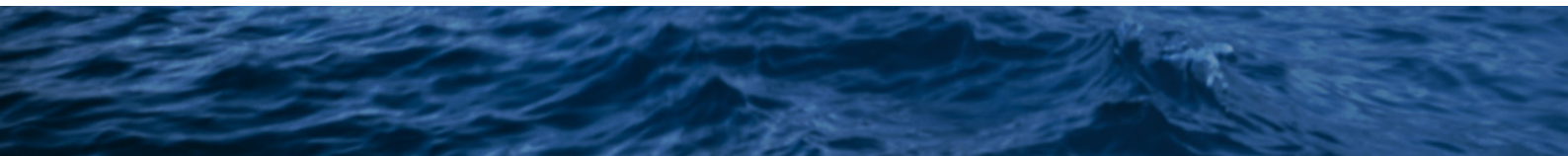
DUAL
Dual Antenna System Support (S10, S12)

BELOW DECK

KA-165 Antenna Control unit (S10, S12)

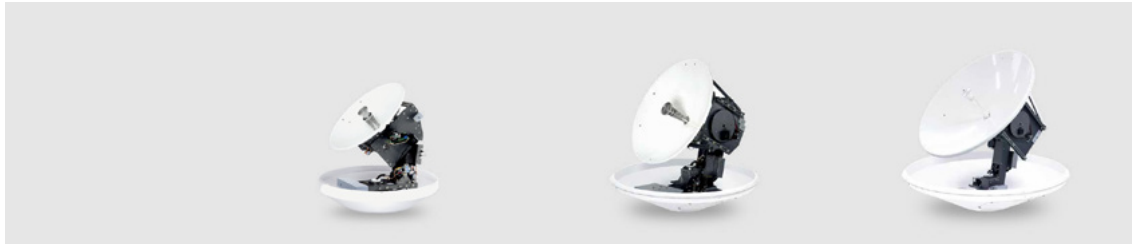


KA-75 Antenna Control unit (S4, S6, S8)



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Ku-BAND	S4	S6	S8
Dish Diameter	45cm	61cm	85cm
Antenna Dimension	67cm(D) X 69cm(H)	85cm(D) X 84cm(H)	113cm(D) X 117cm(H)
Antenna Weight	25kg	38kg	57kg
Frequency	10.75 ~ 12.75 GHz	10.75 ~ 12.75 GHz	10.75 ~ 12.75 GHz
Minimum EIRP	48dBW	46dBW	44dBW
Operating Platform	3-Axis	3-Axis	3-Axis
Skew Control	Automatic	Automatic	Automatic
Elevation Angle	-20° to +95°	-15° to +95°	-10° to +100°
Azimuth Range	640°	640°	640°
Cross Angle	± 35°	± 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: ±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
Temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Humidity	Up to 100% @ 40°C	Up to 100% @ 40°C	Up to 100% @ 40°C
Certification / Qualification	EN60945 CE	EN60945 CE	EN60945 CE

* Specifications subject to change without notice

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Ku-BAND	S10	S12
Dish Diameter	100cm	120cm
Antenna Dimension	144cm(D) x 152cm(H)	161cm(D) x 163cm(H)
Antenna Weight	90kg	105kg
Frequency	10.7 ~ 12.75GHz	10.7 ~ 12.75GHz
Minimum EIRP	43dBW	40dBW
Operating Platform	3-Axis	3-Axis
Skew Control	Automatic	Automatic
Elevation Angle	-20° to +105°	-20° to +110°
Azimuth Range	Unlimited	Unlimited
Cross Angle	± 35°	± 35°
Ship Motion	Roll : ±24° at 8~12 sec periods Pitch : ±14° 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
Temperature	-20° C to +55° C	-20° C to +55° C
Humidity	Up to 100% @ 40° C	Up to 100% @ 40° C
Certification / Qualification	EN60945 CC	EN60945 CC

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