

K7

KNS Ku-Band : TV SuperTrack K-Series

The K-Series antenna brings high quality satellite television to your vessel. The TVRO K-Series antennas are compatible with DVB-S2 and the DiSEqC 1.2 function allows automatic switching between four satellites. The K-Series is a competitively priced antenna that is based on the same technology as the Z-Series, providing exceptional tracking ability, and is ideal for private and smaller vessels.



► Standard Features

Attitude Heading Reference system(AHRS) using an IMU sensor
(3 axis gyro scope, 2 axis acceleration)

High performance stabilization in rough weathers

Honest 3 axis system - Stabilized azimuth and elevation with a skew unit

Stabilized skew system guarantees perfect searching and tracking

Automatic skew control

Antenna control unit displays heading value without gyro connection using AHRS derived from inverse kinematics technology

Ready for gyro compass connection for faster and more stable satellite

Tracking 6 sec of unwrap time

Compatible for DVB-S2

Provides over 80 satellites parameters

DiSEqC 1.2 function available

(automatic satellite switching using receiver up to 4 satellites)

Sleep mode activated by a long stay in a location and a signal loss(auto recovery)

DSP(Digital Signal Processor) control technology

High gain reflector

Built in GPS

Meets FCC and CE requirement

ABOVE DECK

Dish Diameter	61cm (24")
Antenna Dimension⁽¹⁾	69cm(H) x 67cm(D)
Antenna Weight⁽²⁾	18kg
Radome Material	Plastic
Frequency	10.75 ~ 12.75GHz
Minimum EIRP	46dBW
Operating Platform	3 - Axis (Stabilized Azimuth, Elevation and Skew angle)
LNB	Quad / Quattro LNB(optional)
Skew Control	Automatic ($\pm 130^\circ$)
Elevation Angle	$-10^\circ \sim +85^\circ$
Azimuth Angle	690°
Cross Angle	$\pm 35^\circ$
Ship Motion	Roll: $\pm 25^\circ$ at 8 sec periods Pitch: $\pm 15^\circ$ at 6 sec periods Yaw: $\pm 25^\circ$ at 8 sec periods
Turning Rate	Up to $50^\circ/\text{sec}^\circ$
GPS	Built-In GPS
DiSEqC	DiSEqC 1.2
Ship's Heading	With or Without NMEA Compass
Pointing Accuracy	0.2° RMS
Temperature	-20°C to $+55^\circ\text{C}$
Humidity	Up to 100% @ 40°C
Antenna Input Power	$24\text{V} \text{ --- } , 2.5\text{A}$

BELOW DECK

ACU Size	290 x 160 x 50mm
External I/O	Mini-USB
Gyro Interface	NMEA 0183
Output Power	$24\text{V} \text{ --- } , 2.5\text{A}$

PACKING

Size	82 x 82 x 98cm
Gross Weight	39kg
Packed by	Paper carton
Certification/Qualification	CE (EN60945)

WARRANTY INFORMATION

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

*Specifications subject to change without notice
(1), (2) Radome included

KNS