

# ONWA<sup>®</sup>

MARINE ELECTRONICS



MODEL

## KS-33NT

AIS Tracking Device (Internal Antenna)



MODEL

## KS-33NT\_X

AIS Tracking Device (External Antenna)

**NEW**

MODEL

## KS-33NT\_SART

AIS Tracking Device (Internal Antenna)  
with SART button



SART Button

**exactTrax™**

Tracking Service



AIS Technology



ONWA AIS  
Encrypted Technology

**IPX67**  
Water Proofing

## ➤ AIS TECHNOLOGY AND ONWA AIS ENCRYPTED TECHNOLOGY

- Can be tracked by Class A and Class B Receiver or Transponder
- ONWA AIS Encrypted Technology lets you set the KS-33NT/KS-33NT\_SART/KS-33NT\_X to be seen as a buoy or as a vessel. You can also hide the KS-33NT/KS-33NT\_SART/KS-33NT\_X from other AIS receivers for areas such as secret fishing ground



## ➤ MATERIAL AND LONG WORKING HOURS

- The Housing is very Durable, material used is High quality ABS+PC
- KS-33NT/KS-33NT\_SART/KS-33NT\_X can be submerged up to 60m
- Rechargeable Lithium Battery is included
- Full battery charge lasts up to 15 days (*with transmit intervals set to 3 minutes*)

### OPTIONAL ACCESSORY

#### KS-33NT/KS-33NT\_SART with Solar Panel

*\*Specify when ordering*



#### KS-33NT\_X with Solar Panel

*\*Specify when ordering*





## > exactTrax

\*Specify when ordering

### exactTrax™

exactTrax Tracking

- Track fishing boats and small commercial vessels with AIS Class B type transceivers across the globe
- Can send standard AIS message and exactTrax message (exactTrax message shows MMSI and position only)
- ONWA AIS can connect other sensors to the AIS module, such as ultrasonic weather sensor and speed log, to send with exactTrax message

**NOTE:** In order to use exactTrax, user must avail ExactEarth Service



ExactTrax showing position of a vessel sailing for 1 week from Hong kong to Malaysia in multi-hour vessel track

## > APPLICATIONS

*Can be programmed based on your need*

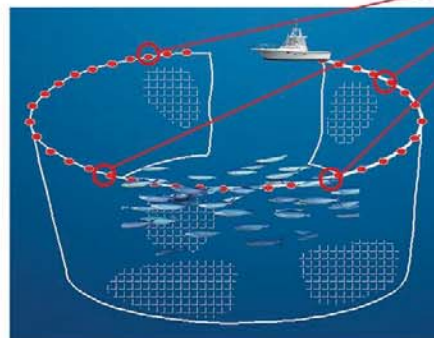
- Geo-fence
- Tracking of Fish nets
- Tracking of Crab pots
- Fishery Management

- Boat tracking
- AIS AtoN
- AIS SART

*The fishing net can be tracked with your AIS onboard*



*Fish net tracking and actual AIS Signal transmitted*



*Install several KS-33NT on the fishing net*

## SPECIFICATIONS

<b>Transmit Power</b>	4W and 12.5W
<b>Working Voltage</b>	7.4V and 12V
<b>Working Temperature</b>	-20°C ~ 60°C
<b>Housing Color</b>	Red (4W) and Yellow (12.5W)
<b>Housing material</b>	High quality ABS+PC
<b>Indicator LED</b>	Red

### Dimension:

<i>KS-33NT</i>	310mm(H) x 87mm(W), not include mounting plate
<i>KS-33NT_SART</i>	310mm(H) x 87mm(W), not include mounting plate
<i>KS-33NT_X</i>	200mm(H), not include external whip antenna 87mm (Diameter, max.) 1060mm long for the external whip antenna

### Weight:

<i>KS-33NT</i>	400g (Include battery)
<i>KS-33NT_SART</i>	400g (Include battery)
<i>KS-33NT_X</i>	350g (Include battery, exclude whip antenna)

<b>Working hour</b>	360 hours continuously
<b>Waterproof</b>	IPX67
<b>Technology</b>	AIS
<b>Battery</b>	Rechargeable Lithium

