

SANETEL-S-series

Mobile Marine Satellite TVRO Antenna



Bring to you something fun from the other side of sea horizon

Enjoy seamless satellite TV program despite heaves and waves

For sailors and passengers on board, changeable weather and complicated sea environment have made it tremendously difficult to enjoy news and recreation from the LIVE satellite TV. SANETEL S-series Mobile Marine Satellite TVRO Antenna can conduct automatic search, recognition, locking and real-time tracking of satellites, and ensures continuous RHCP/LHCP signal reception whether the ship is sailing or berthed. Simple and easy installation design makes it suitable for all sorts of vessels, like Motor boats, Yachts, Fishing boats and more. SANETEL S-series TVRO Antenna creates for the crews a life better connected with the onshore world.

SANETEL
www.sanetel.com

BEIJING SANETEL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD.

Add: No.2 Xingye Street, Beijing Economic-Technological Development Area, Beijing, 100176, China
Tel: +86 10 59415188 Fax: +86 10 67816819 E-mail: international@sanetel.com

Specifications subject to change without notice. Copyright © 2014 SANETEL. All Rights Reserved.

SANETEL-S-series

Bring to you something fun from the other side of sea horizon
Enjoy seamless satellite TV program despite heaves and waves

Mobile Marine Satellite TVRO Antenna

Advantages

- **Dual-axis Servo-tracking Stabilized System**

Dual-axis steo motors enable automatic satellite search, recognition and tracking.

- **Outstanding Servo Tracking Performance**

SANETEL S2/S3 is resistant to rolling and pitching up to 30° of the vessels, with a stabilized precision of 0.5° and tracking angle acceleration of 200°/s².

- **Three-level Feedback Tracking Technology**

GPS/INS/Satellite Beacon Integrated Tracking Technology guarantees a satisfying satellite acquiring and locking precision even in cases of voyaging in harsh marine environments. This leading edge technology utilizes gyro angular rate, attitude angle, satellite beacon as feedback signals to stabilize the antenna.

- **Excellent Compatibility and Expansibility**

SANETEL S2/S3 supports RHCP/LHCP satellite polarization signal and is compatible with a wide range of commercially available satellite TV receiver systems. Wireless control and remote management function are optional.

- **Resistance to Severe Environments**

SANETEL S2/S3 adopts IP67 protection design and is resistant to water and salt mist.

- **Automatic Beam Switching (ABS)**

ABS allows seamless connection with almost all satellite routers.

- **SANETEL Service**

After sales service is available 24x7x365 by hotline, E-mail and on-site engineers.

Specifications

| Antenna Model | SANETEL S2 | SANETEL S3 |
|-----------------------------|--|---|
| Mechanical | | |
| Stabilized Type | Dual-axis stabilized | Dual-axis stabilized |
| Dish Diameter | 45 cm | 60 cm |
| Dimension(D x H) | 52 × 58.5 cm | 70 × 70 cm |
| Antenna Weight | 11 kg | 20 kg |
| Antenna Type | Ring focus | Ring focus |
| Electrical | | |
| Reception Frequency | 10.7~12.75 GHz | 10.7~12.75 GHz |
| Signal Polarization | RHCP/LHCP | RHCP/LHCP |
| Min. EIRP | 49 dBw | 47 dBw |
| G/T | 11.5dB/K@30° elevation | 14dB/K @30° elevation |
| Power Requirement | AC 220 V @ 50 Hz | AC 220 V @ 50 Hz |
| Power Consumption | 30W | 35W |
| Tracking Performance | | |
| Initialization Time | ≤2 min, cold start | ≤2 min, cold start |
| Azimuth Range | 360° continuous | 360° continuous |
| Elevation Look Angle Range | 5°~+120° | 5°~+120° |
| Vessel Motion Range | ±30° yaw, ±30° roll, ±30° pitch @ 4 sec period | |
| Tracking Rate | Up to 80°/sec and 200°/sec ² | Up to 80°/sec and 200°/sec ² |
| Stabilization Accuracy | 0.5°RMS | 0.5°RMS |
| GPS/Beidou/INS | Built-in | Built-in |
| Environmental | | |
| Operating Temperature | -20 °C~+60°C | -20 °C~+60°C |
| Storage Temperature | -30 °C~+70°C | -30 °C~+70°C |
| Ingress Protection Rating | IP67 | IP67 |

Antenna Dimension

