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.



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Advantages

Dual-axis Servo-tracking Stabilized System

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

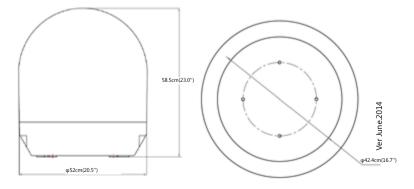
SANETEL Service

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





SANETEL, a world-class designer, manufacturer and integrator in mobile satellite communication industry, specializes in three product categories: Satcom-on-the-Move, Mobile Satellite TVRO Antenna and Fly-away Antenna. With the leading technological advantages in Inertial Measurement, Servo Stabilization and Satcom System Integration, SANETEL provides top- performance maritime and land use products and service to both China and overseas Government Organizations and enterprise partners.