



SANETEL-S2/S3

Mobile Marine
Satellite TVRO Antenna



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

Enjoy seamless satellite TV program despite heaves and waves

For sailors and passengers on board, the changeable weather and complicated sea environments have made it tremendously difficult to enjoy news and recreations from the LIVE satellite TV. SANETEL S2/S3 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. The simple and easy installation design makes it suitable for all sorts of vessels, like Motor boats, Yachts, Fishing boats and more. The S2/S3 TVRO Antenna creates a better life which connected with the onshore world for the crew.



Vessel
Application



TVRO
Recreation



2axis
Stabilization



INS
Built-in



IP67
Protection

SANETEL

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Specifications

Mechanical	S2	S3	Environmental	S2	S3
Stabilized Type	Dual-axis stabilized		Operating Temperature	-20°C~+60°C	
Dish Diameter	450mm	600mm	Storage Temperature	-40°C~+70°C	
Dimension(D×H)	520×585mm	700×700mm	Ingress Protection Rating	IP67	
Antenna Weight	11 kg	20 kg	Ground Speed	Up to 95%	
Antenna Type	Ring focus				
Electrical	S2	S3	Tracking Performance	S2	S3
Reception Frequency	10.7~12.75 GHz		Initialization Time	≤2 min,cold start	
Min. EIRP	49dBw	47dBw	Azimuth Range	360°continuous	
G/T (elevation)	11.5dB/K@30°	14dB/K@30°	Elevation Look Angle Range	5°~+120°	
Signal Polarization	RHCP/LHCP/Circular Polarization		Vessel Motion Range	±30° yaw, ±30° roll ±30° pitch @ 4 sec period	
Power Consumption	30W	35W	GPS/BDS/INS	Built-in	
			Tracking Rate	Up to 80°/sec and 200°/sec ²	

Advantages

Dual-axis Servo-tracking Stabilized System

Dual-axis step 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 0.15° 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.

Resistance to Severe Environments

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

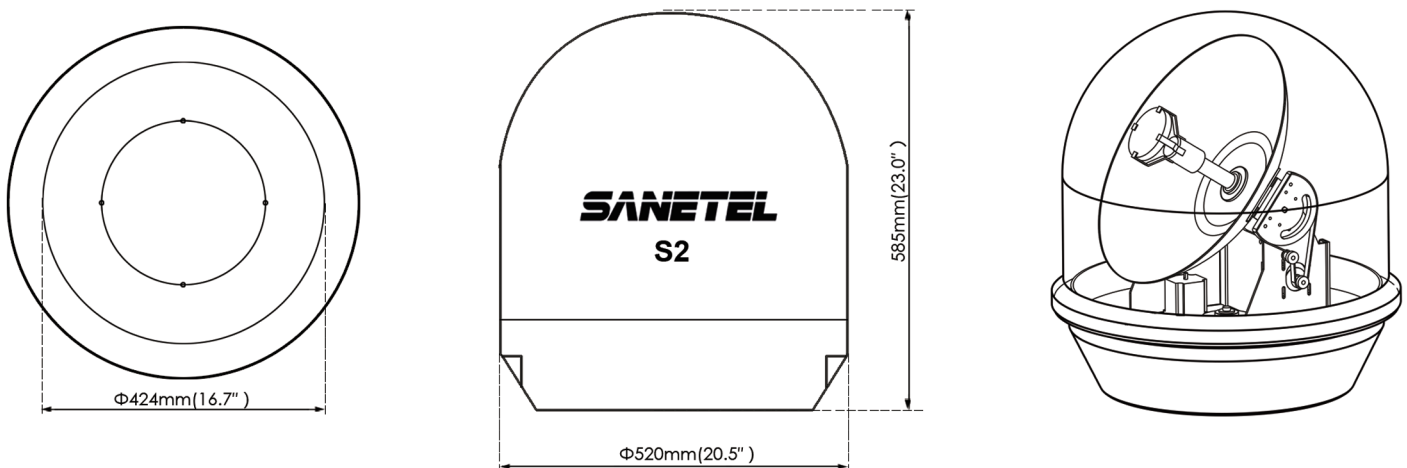
Excellent Compatibility and Expansibility

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.

SANETEL Service

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

Antenna Dimension



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