Marinelite®

Class B Automatic Identification System

AIS Transponder

MODEL **AIS9000**



Bluetooth

Wi Fi

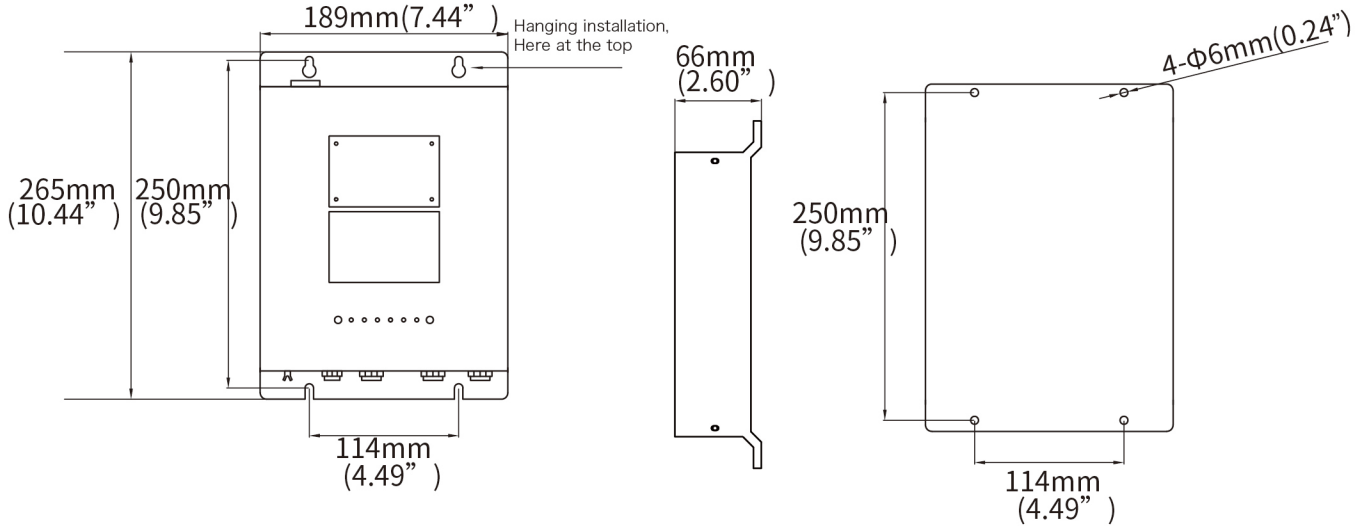
Customizable wifi, Bluetooth，
or Network interface

- Built-in high-sensitivity GPS receiver board with accurate positioning, adopting advanced and independent R&D technology of high stable speed and course
- Professional campact and stylish housing design and support hanging installation
- Flexible integration with various AIS compatible radar and chart plotters
- Fully satisfies the technical standards for Class-B AIS, IEC 62
- CERTIFICATED by China Classification Society(CCS)
- CERTIFICATED by Register of Fishing Vessel of The People's Republic of China

SPECIFICATIONS

Power Supply	DC 24V (11~35V)
Power	High-performance, full isolated, PWM control of power supply
Installation	Desk or Hanging Installation
VHF Transceiver	
Frequency Range	156.025 MHz ~ 162.025 MHz
Channel Bandwidth	25KHz
Modulation	GMSK
Number of Transmitters	1
AIS Channel 1	CH 87B (161.975 MHz)
AIS Channel 2	CH 88B (162.025 MHz)
Tx Power Output	2 Watt (33 dBm ± 1.5 dB)
Rx Sensitivity	< -107 dBm @ 20% PER
Rx Message	AIS Class A & B messages
GPS Receiver(Built-in)	
Receiving Channels	50 channels(Customizable GPS+Beidou)
Acquisition Time	Cold start：45s, Hot start：15s
Accuracy	<15m(95%)
LED Indication	
Power(Red)	System power on/off
Error(Yellow)	Receiving or transmitting error
TX(Red)	Transmitting AIS data
RX1(Green)	Receiving AIS channel 1 data
RX2(Green)	Receiving AIS channel 2 data
GPS(Green)	Receiving GPS data
Interface	
GPS Antenna Connector	BNC
VHF Antenna Connector	NS-KYA3
NMEA0183(RS-422)	1(38400bps)
Environment	
Temperature	-15°C ~ +55°C (+5°F ~ +130°F)
Protection Level	IP44
Applicable Standards	IEC 62287-1 Ed.2,2017 IEC 61108-1 Ed.1,2003 IEC 61162-1 Ed.3,2007 IEC 60945 Ed.4,2002 IEC 61162-2 Ed.1,1998 ITU-R M.1371-4,2010

DIMENSIONS



Marinelite® NANTONG SAIYANG ELECTRONICS CO.,LTD.

TEL：(+86)0513-89129287/89129288
EMAIL:Saiyang@ova.com.cn
https://www.saiyangmarine.com
South Floor 4/5, Building 3, , Building 3, Maipu Technology Park, Xinsheng Road, Chongchuan District, Nantong City, Jiangsu Province