

Automatic Identification System

AIS Class A

MODEL SAG9000



7" color display
(Option)10.1"

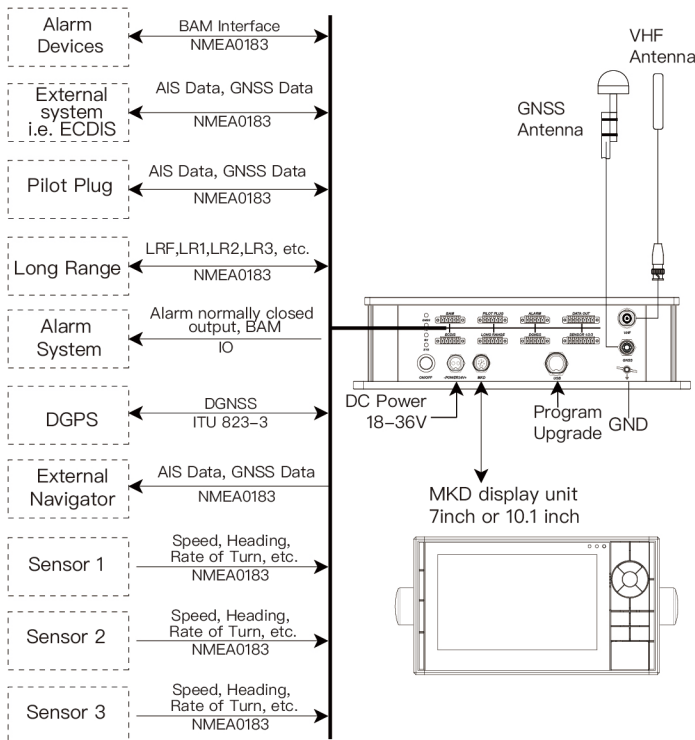


- Two operation modes: Touch screen, keypad.
- With ECDIS, LONG RANGE, BAM, multifunctional sensors and other interfaces, it is well compatible with electronic charts, radar and other marine electronic equipment.
- Simple and humanized operation interface combined with high-precision color LED.
- Support BDS, GPS and GLONASS (optional) three-mode high-precision positioning, and can be connected to differential data to realize differential positioning.
- A variety of intelligent alarms, real-time collision avoidance information.
- Comply with IMO MSC.302(87), ITU-R.M.1371-5, IEC 62288, IE61993-2 2018 and IEC 60945 standards.
- The system operates in three modes - autonomous, assigned and polled.
- Able to receive AIS targets and send the ship's relevant static and dynamic parameters and related navigation data. The AIS radar panel can switch different viewing angles to display the time slot synchronization of AIS targets within 50NM from the center of the ship.
- Use the built-in GNSS receiver or external positioning sensor as the main source of UTC, or use the received message from the base station or mobile station to synchronize the time slot.
- Access to a wide range of ship sensors such as GNSS, odometers, compass, Rate of Turn Indicator, etc.
- With BIIT self-test and 19 alarms for equipment failure, position loss, heading loss, etc.
- **Area setting**
Support receiving message 22 sent by base station or DCS remote message setting, also can set the system receiving and transmitting through shipboard system or manually input in MKD.

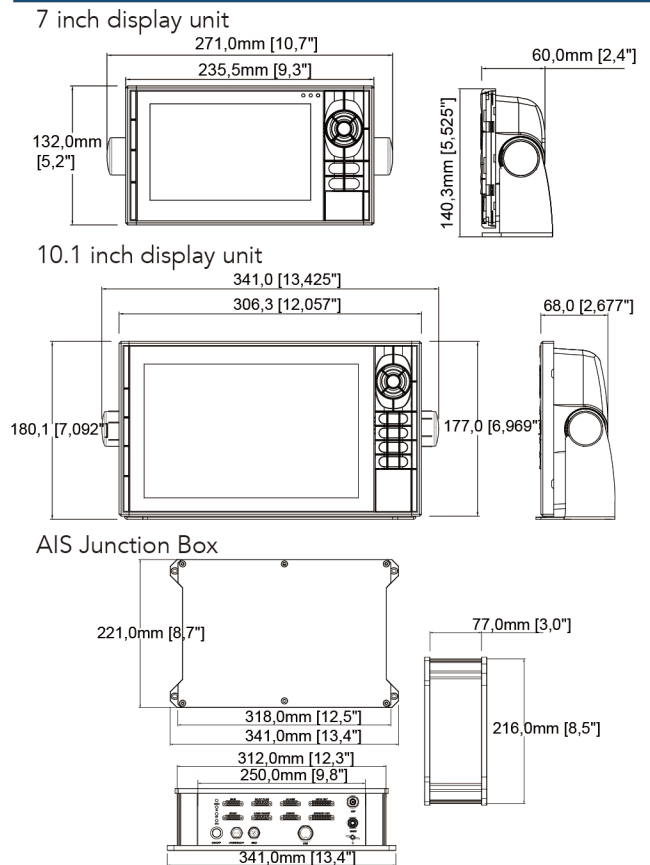
SPECIFICATIONS

Power	DC24V(18-36V)	
Class	Class A	
Bandwidth	25KHz	
Modulation mode	GMSK	
Bit Rate	9600bps	
Frequency	156.025MHz~162.025MHz	
AIS transmit channel/frequency	AIS1(CH87B):161.975MHz	AIS2(CH88B):162.025MHz
AIS receive channel/frequency	AIS1(CH87B):161.975MHz	AIS2(CH88B):162.025MHz
DSC receive channel	70/156.525MHz	
Receiving sensitivity	Better than -107dBm	
Frequency Error	<±500hz	
Transmit power	1W/12.5W	
Positioning module receiving frequency	BDS:B11: 1561.098MHz	GPS: L1 1575.42MHz
Interface	BAM PILOT PLUG Data output x 3 ECDIS: Bidirectional data interface LONG RANGE: bidirectional data interface DGNSS Sensor data input x 3	
Performance Standard Compliant	IEC 61993-2 2018, R-REC-M.1371-5-2014, IMO MSC.74(69), IMO MSC.302(87), IEC 62923-1, IEC 62923-2, IEC 62288 -2021, IEC61162-1, IEC61162-2, IEC60945	
MKD Display	7inch or 10.1 inch options Display language: Simplified Chinese, Traditional Chinese, English	

SYSTEM DIAGRAM



DIMENSIONS



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