

XA-201

Class B Automatic Identification System



Features

- Tested and approved by BSH, CE RED certified and Radio Type Approval Certification from SRRC.
- Meet the IEC 62287-1; IEC 61108-1; IEC 61162-1; IEC 60945; ITU-R M.1371-5; IMO.A.694(17) standards.
- Built-in WIFI and Bluetooth to get AIS information by Phone APP.
- Built-in dual-mode high-precision positioning module (BDS and GPS), providing stable and reliable positioning accuracy.
- Built-in buzzer providing audible alerts for the device's operational status.
- IP67 waterproof rating.
- Wide voltage, floating ground power design for enhanced stability and reliability.
- Support NMEA-2000 and NMEA-0183.

Specifications

Connection Interface	
GNSS Antenna Connector	BNC
VHF Antenna Connector	SL16 (Female)
NMEA0183	4 ports data interface, including 3 ports output, 1 ports input
NMEA2000	Support GNSS, AIS data transmission
Power Connector	Support external power supply; external alarm

GNSS		
GNSS Receiver		72 channels
Receive Frequency		GPS L1 1575.42MHz, BDS B1 1561.098MHz
Accuracy	GPS&BDS	2.5m (CEP50% open sky)
	GPS	5m (CEP50% open sky)
	BDS	5m (CEP50% open sky)
Speed Accuracy		0.1M/S (50%@10M/S)
Time to First Fix		Cold Start<30s, Hot Start<1s
Coordinate Systems		WGS-84 (and others)

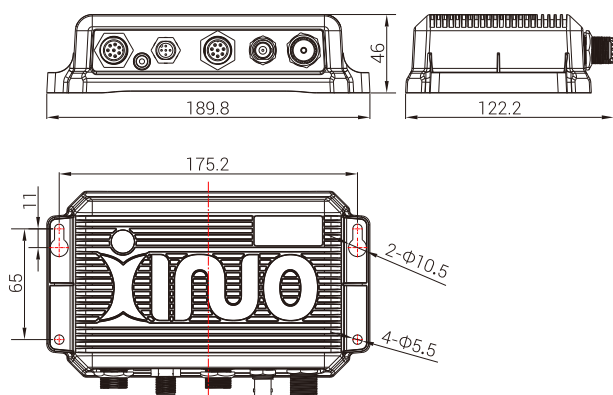
Standards	
IEC 62287-1; IEC 61108-1; IEC 61162-1; IEC 60945; ITU-R M.1371-5; IMO.A.694(17)	

AIS Class B	
Frequency	156.025~162.025MHz
Bandwidth	25KHz
Modulation	GMSK / FM
Data Rate	9600bps
Number of AIS transmitter	1
Number of AIS Receiver	2 (AIS1, AIS2)
Channel AIS1(default)	AIS1(161.975MHz)
Channel AIS2(default)	AIS2(162.025MHz)
TX Power Output	2W / 5W
Protocol	CSTDMA
RX Sensivity	≤ -112dBm @ 20% PER

Enviromental	
Working Temperature	-15°C~+55°C
Waterproofing	IP67
Power Supply	DC12V/DC24V

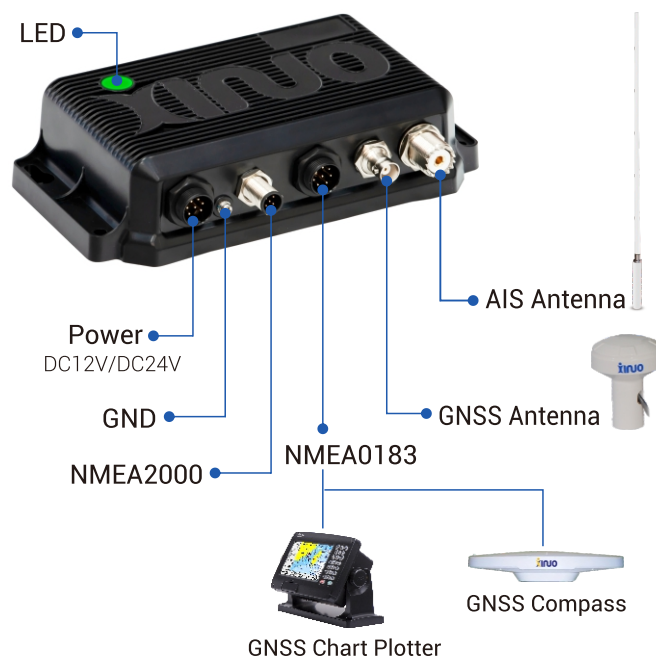
Installation Dimensions

(Unit, mm)



Weight, 0.5kg

System Connection Diagram



XINUO

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