

Class A Shipborne Equipment of Automatic Identification System

XA-198 Series

Shipborne Class A automatic identification system is composed of two parts: the main engine and the display control unit. The main engine is designed with pure aluminum shell, which is corrosion resistant and durable. The built-in Class A AIS module has perfect AIS function. Display control unit adopts intelligent touch screen operating system, touch screen operation is flexible and easy to use, the picture is clear and the performance is superior.

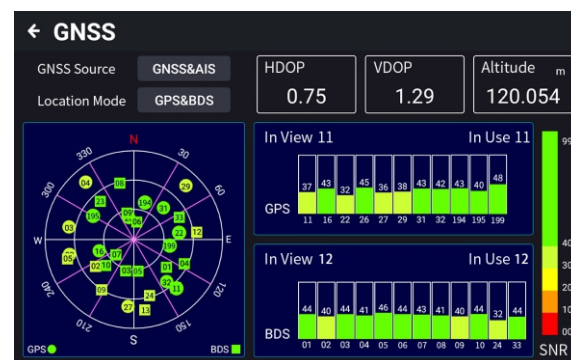
Product Features

- Built-in Class A AIS module, with complete AIS function.
- Intelligent alarm mechanism, accurate reminder may encounter information, to avoid outdated, invalid alarm.
- Can team management of ships, convenient supervision.
- Support BDS, GPS dual mode high-precision positioning.
- Intelligent operating system, touch screen operation is simple and convenient.
- Supports the display of charts such as S-57, S-63, CJ-63, and C-MAP.
- Support a variety of networking methods, can achieve online upgrade and other cloud services.

DGNSS

Support multiple positioning modes including GPS&BDS, GPS, BDS.

Support receiving DGNSS corrections from AIS base stations broadcasting to achieve high-precision positioning.



Class A AIS Transponder

Built-in Class A AIS transponder, with perfect AIS function.

AIS informaton display has automatic avoidance function.

Support AIS ship group management, alarm when anchor disengagement and ship leaving. Ais radar images can visually display the distribution of surrounding ships.



XA-198(7")

7 inch color LCD ,
800×480 resolution



XA-198(10.1")

10.1 inch color LCD touch screen,
1280×800 resolution



XA-198(12.1")

12.1 inch color LCD touch screen,
1024×768 resolution



XA-198(15.6")

15.6 inch color LCD touch screen, 1920×1080 resolution



XA-198(21.5")

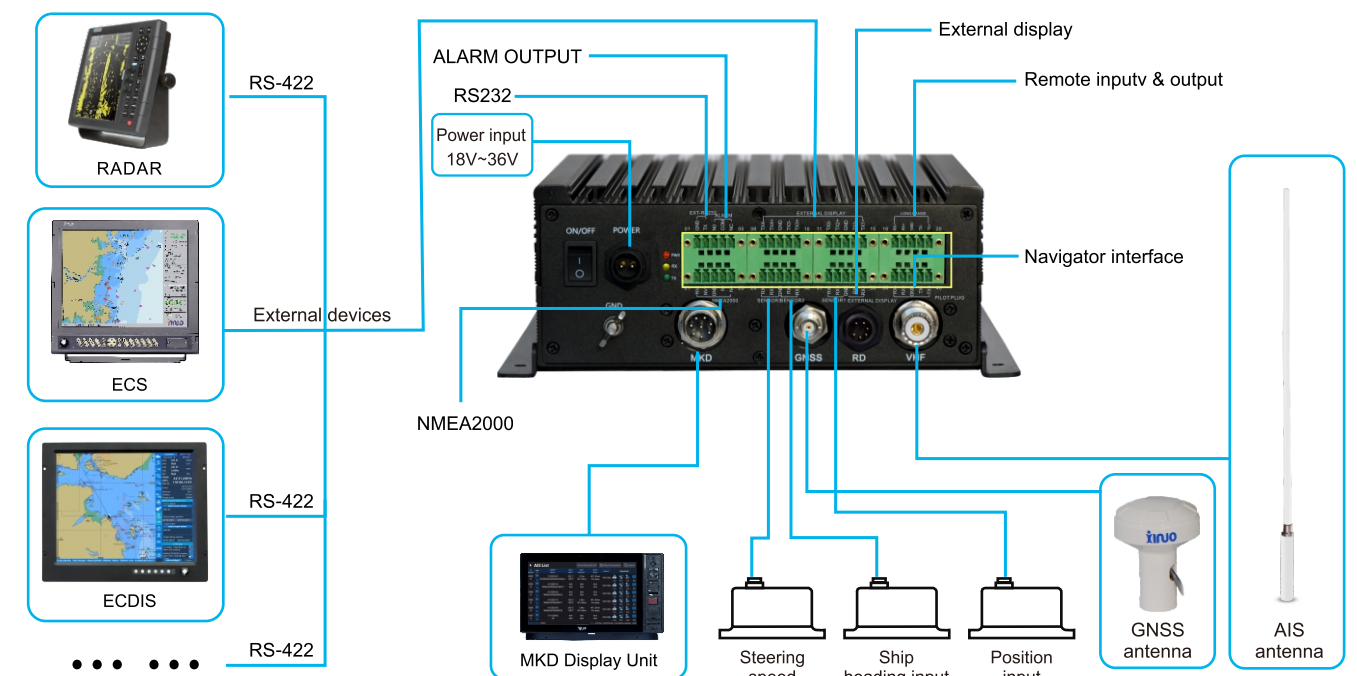
21.5 inch color LCD touch screen, 1920×1080 resolution



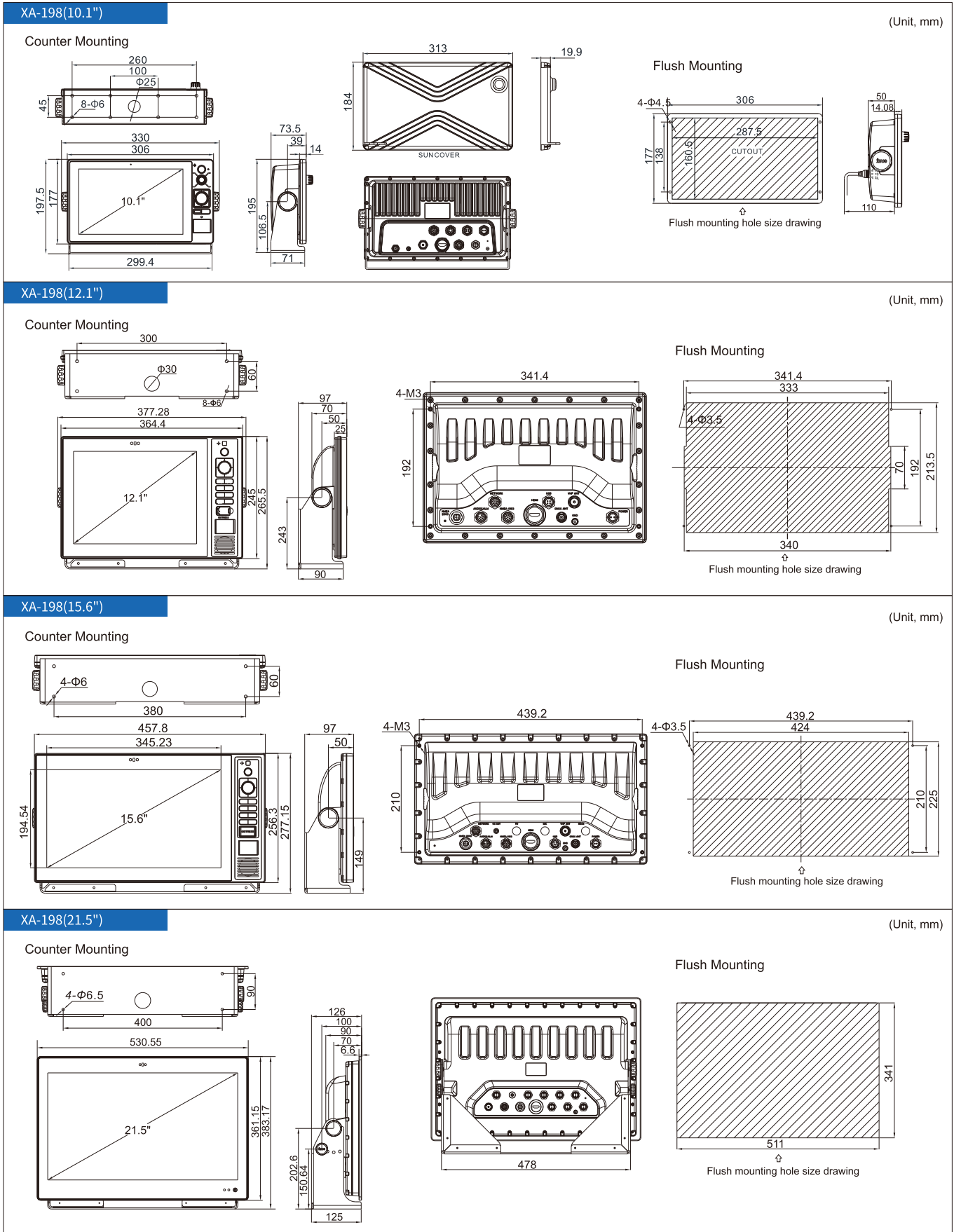
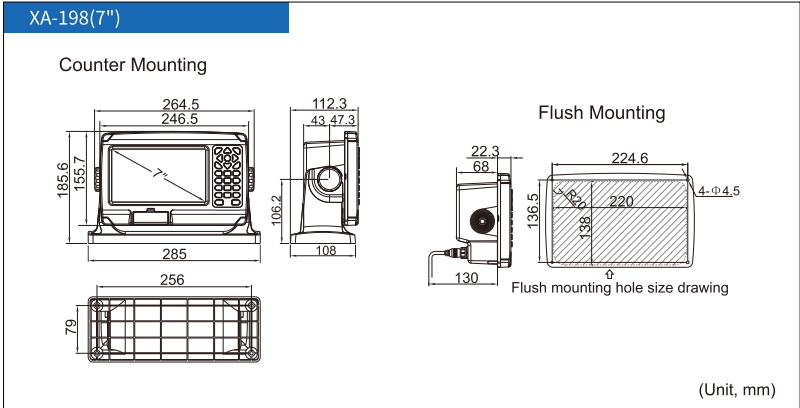
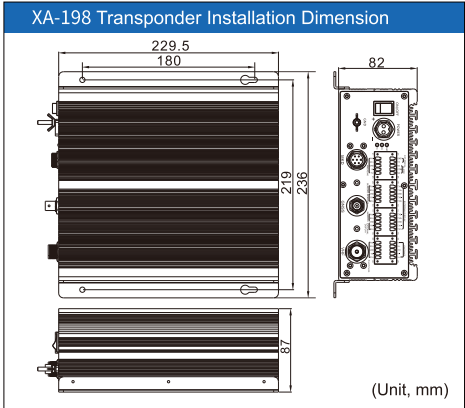
Abundant Data Interface

Support external ECS, radar, ECDIS and other sensors, etc. Support NMEA 0183, NMEA 2000 data communication.

At the same time, support the integration of network camera, radar and echo sounder data through Ethernet, external display, sound and light alarm, keyboard and mouse, etc.



Transponder Unit		XA-198			
Frequency		156.025MHz ~ 162.025MHz			
RX1(default)		CH87(161.975MHz)			
RX2(default)		CH88(162.025MHz)			
Output Power		1W/12.5W			
Modulation		GMSK/FM			
Number of AIS transmitter		1			
Number of AIS Receiver		2			
Number of DSC Receiver		1			
DSC Receiver		CH70 (156.525 MHZ)			
Data Rate		9600bps			
Bandwidth		25KHz			
Main Power Supply		DC18V-36V			
Display Unit					
Display Type	Color TFT LCD	Touch Screen	Touch Screen	Touch Screen	Touch Screen
Size	7 inch	10.1 inch	12.1 inch	15.6 inch	21.5 inch
Resolution	800×480 pixels	1280×800 pixels	1024×768 pixels	1920×1080 pixels	1920×1080
Brightness	500 cd/m ² (Max)	800 cd/m ² (Max)	600 cd/m ² (Max)	800 cd/m ² (Max)	800 cd/m ² (Max)
Power Supply	DC 18V-36V	DC 10V-36V	DC 10V-36V	DC 10V-36V	DC 18V-36V
Language		XA-198(7"): English, Simplified Chinese, Traditional Chinese, Vietnamese, Turkish, Malaysian, Thai, Arabic, Persian			
		XA-198(10.1"/12.1"/15.6"/21.5"): Simplified Chinese, Traditional Chinese, English, Spain			
Operation System		/	Intelligent operating system		
Internal memory		/	2.0GB		
Flash Memory		/	16GB		
Micro SD Card Slot		/	Support 512GB high-speed Micro SD (TF) card in FAT32, NTFS format		
Viewing Angle		/	Full angle 85°		
WiFi		802.11 b/g/n	802.11 b/g/n		
Ethernet		/	1000Mbps		
4G Module		/	LTE/WCDMA/GSM, Internal antenna, and support to connect external antenna		
Bluetooth		/	BT4.0		
Interface	Sensor1~3	Input. DTM,GNS,RMC,VBW,HDT,HDG,ROT,GBS,GLL,VTG			
	External Display/ Pilot	Input. ABM,ABK,ACA,ACK,AIR,BBM,SSD,VSD,AIQ,LRF			
		Output. AIQ,ABK,ACA,SSD,VDM,VDO,VSD,TXT,ALR,LRI,LRF,AIQ			
	Long Range	Input. LRI,LRF	Output. LRF,LR1,LR2,LR3		
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			
Enviromental					
Working Temperature		-15°C~+55°C			
Waterproof		MKD: IPX65, Transponder: IPX22			
Standards		IMO MSC 74.(69); IMO A.694(17); IEC 61993-2-2018; IEC 60945:2002/COR1:2008			



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