

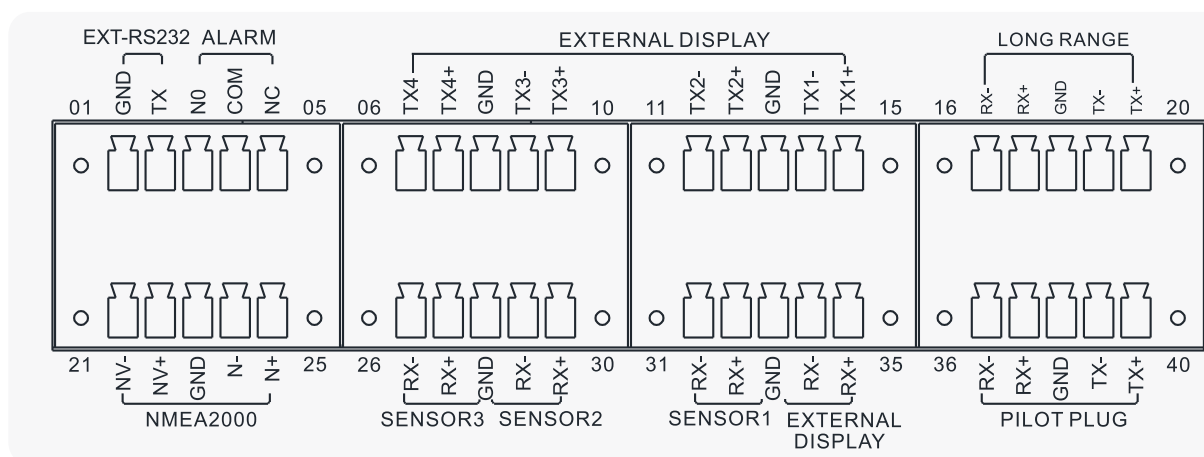
Class A Shipborne Equipment Of Automatic Identification System

Model: XA-198

Approved by the China Classification Society(CCS)



Interface Definition



Features

- ▶ 7 inch color LCD displayer with 800 x 480 resolution, high brightness and wide angle of view.
- ▶ The AIS radar page intuitively shows the distribution of ships, and provides many types statistical data to reference.
- ▶ Intelligent CPA alarm calculation mechanism can avoid outdated and ineffective alarms.
- ▶ Install in perfect AIS function, according to the ship navigation state intelligent switch transmission power.
- ▶ Record historical destination information for quickly select.
- ▶ Support to making ships being in a group to manage, and can set multiple alarm, such as anchor alarm, leave out alarm, etc.
- ▶ Connect to mobile network to upgrade software online.
- ▶ Install in intelligent voice to broadcast operation content, alarm content, etc.



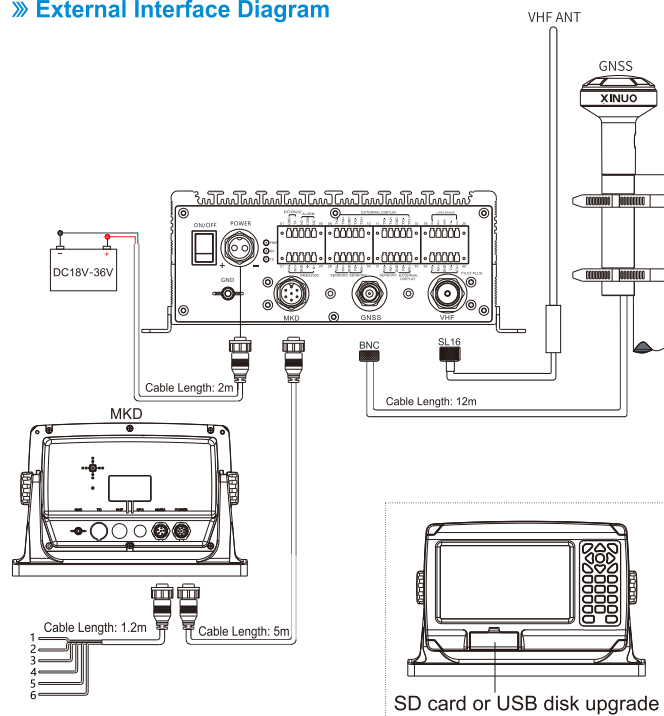
Installation Dimension

[Unit: mm]

Transponder Unit		
Frequency	156.025MHz ~ 162.025MHz	
RX1	CH87(161.975MHz)	
RX2	CH88(162.025MHz)	
Output Power	1W/12.5W	
Modulation	GMSK/FM	
Number of AIS transmitter	1	
Number of AIS Receiver	2 (Contains A and B channels)	
Number of DSC Receiver	1	
DSC Receiver	CH70 (156.525 MHZ)	
Data Rate	9600bps	
Bandwidth	25KHz	
Display Unit		
Display Type	Color TFT LCD	
Display Size	7 inch	
Display Resolution	800 × 480pixels (WVGA)	
Display Brightness	500cd/m²	
Language	English, Simplified Chinese, Traditional Chinese, Vietnamese, Turkish, Thai	
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
Chart		Internal Chart
Power Supply		DC18V-36V
Power Consumption		18W or less (24VDC)
Enviromental		
Working Temperature		-15°C~+55°C
Waterproofing		MKD: IP65 Transponder: IP22
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
Standards		IEC 61993-2; IEC 61108-1; IEC 61162-1; IEC 60945; ITU-R M.1371-5; IMO MSC.74(69); IMO.A.694(17)

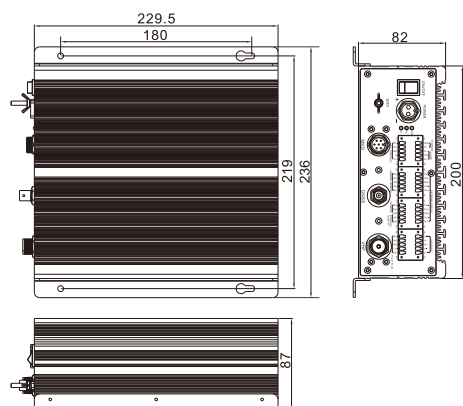
Packing List					
Name of Item		Quantity	Name of Item		Quantity
Host Machine		1set	Plug-in Connector Head		8 pcs
Display（MKD）		1set	M8 Knob		2 pcs
GNSS Antenna		1pc	8C-Data Cable		1pc
Z108 Power Cable		1pc	Big Rubber Gasket		2 pcs
6C-Data Cable		1pc	7 Inch Bracket		1pc
Oblate Self-tapping Tail Screw (TA4.8*20)		4 pcs	Product Quick Manual		1pc
Oblate Self-tapping Tail Screw (TA3*20)		4 pcs			

» External Interface Diagram

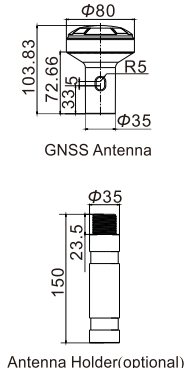


1. Brown NMEA 0183_TX2+
2. Yellow NMEA 0183_TX2-
3. Blue NMEA 0183_RX2+
4. White NMEA 0183_RX2-
5. Black NMEA 0183_TX5+
6. Red NMEA 0183_TX5-

» Transponder Unit



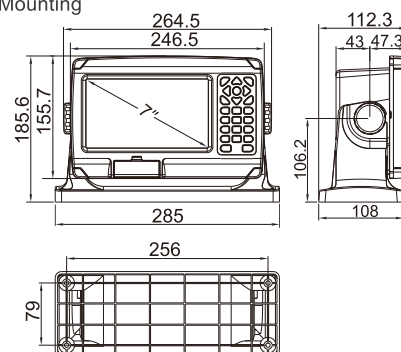
» GNSS Antenna Unit



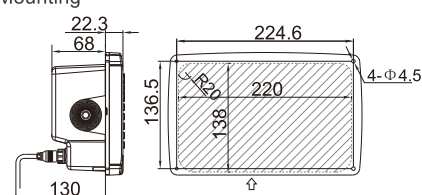
» Display Uint

Weight: 1.6kg, 3.53lb

Counter Mounting



Flush Mounting



Flush mounting hole size drawing



Dealer:

Xinuo Information Technology (Xiamen) Corporation Limited
WWW.XINUO.COM