

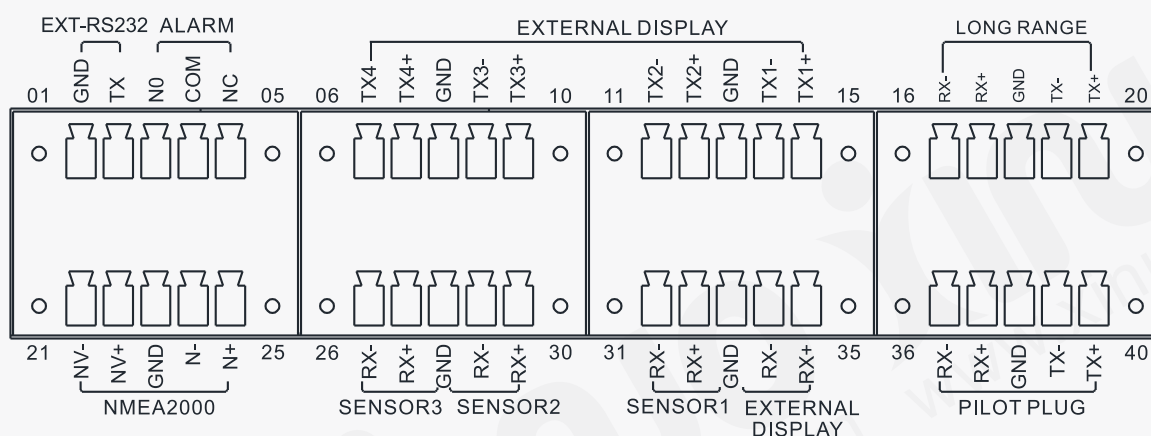
# Class A Shipborne Equipment Of Automatic Identification System

**Model: XA-198**

**Approved by the China Classification Society(CCS)**



## Interface Definition



## Features

- ▶ 7 inch color LCD display with 800 x 480 resolution, high brightness and wide angle of view.
- ▶ Supports BDS,GPS dual mode high precision positioning.
- ▶ 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- ▶ Intelligent CPA alarm calculation mechanism can avoid outdated and ineffective alarms.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 and chart online.
- ▶ Install in intelligent voice to broadcast operation content, alarm content, etc.



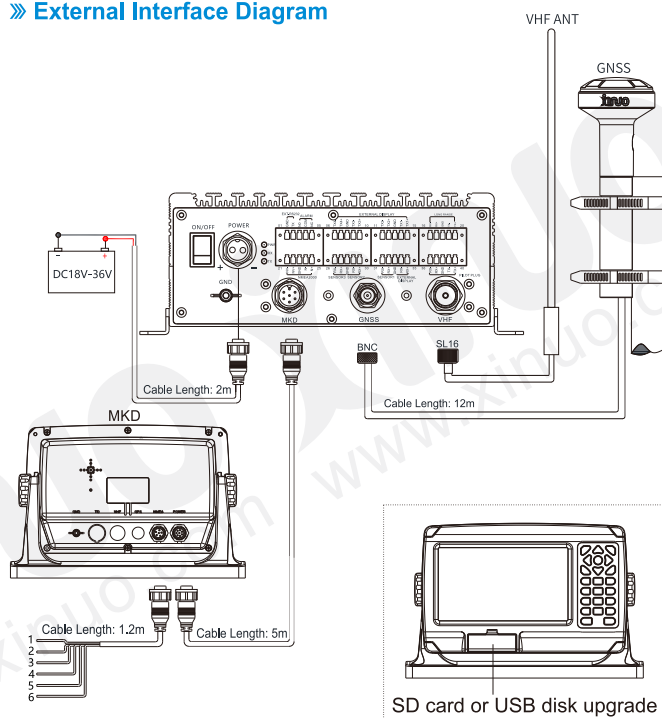
# Installation Dimension

[Unit: mm]

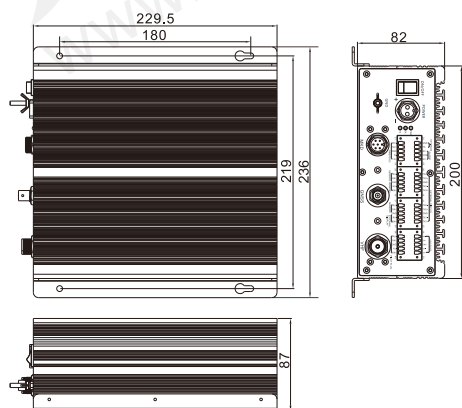
Transponder Unit	
Frequency	156.025MHz ~ 162.025MHz
RX1	CH87(161.975MHz)
RX2	CH88(162.025MHz)
Output Power	1W/12.5W
Modulation	GMSK/FM
Number of AIS transmitter	1
Number of AIS Receiver	2 (Contains A and B channels)
Number of DSC Receiver	1
DSC Receiver	CH70 (156.525 MHz)
Data Rate	9600bps
Bandwidth	25KHz
Display Unit	
Display Type	Color TFT LCD
Display Size	7 inch
Display Resolution	800 × 480pixels (WVGA)
Display Brightness	500cd/m <sup>2</sup>
Language	English, Simplified Chinese, Traditional Chinese, Vietnamese, Turkish, Thai
Interface	Sensor1~3 Input: DTM,GNS,RMC,VBW,HD,T,HDG,ROT,GBS,LL,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	XINUO-MAP
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		

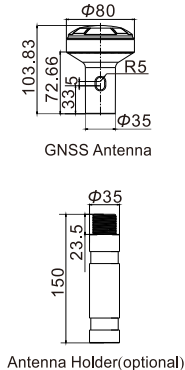
## » External Interface Diagram



## » Transponder Unit

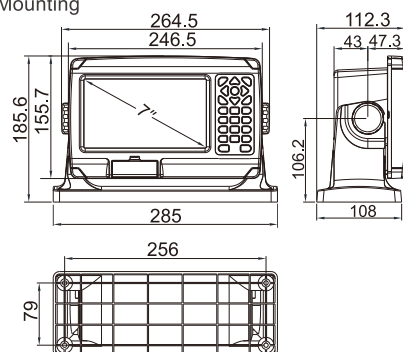


## » GNSS Antenna Unit

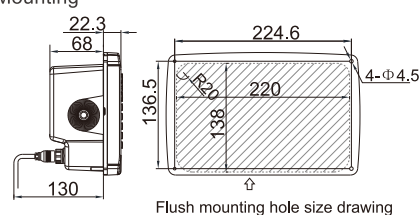


## » Display Unit

### Counter Mounting



### Flush Mounting



Dealer: