

10.4" AIS Class B & GNSS Chart Plotter

Model: HM-5900(10")

Support Internal Chart & C-MAP (MAX) Card

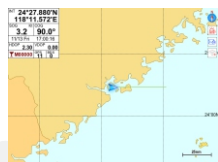
Passed the EU CE certification, China Classification Society CCS type approval



Features

- ▶ 10.4 inch color LCD with 800 x 600 resolution, wide angle of view.
- ▶ Support Internal Chart and C-MAP(MAX) dual chart system, Classic& Utility dual operating system, you can switch freely.
- ▶ Built-in Class B AIS module, with perfect AIS function. It can timely respond to regulatory instructions.
- ▶ Intelligent CPA alarm calculation mechanism can avoid outdated and ineffective alarms.
- ▶ 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.
- ▶ Designed for counter mounting, flush mounting and other installation methods.

Internal Chart



C-MAP(MAX)



Multi Display Modes

Choose Your Favorite Operating Interface



Standard Chart View



Pure Chart View



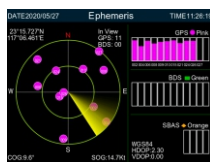
Simple Chart View



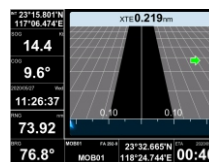
AIS Data



Sailing Data



GNSS



3D Navigation



Compass

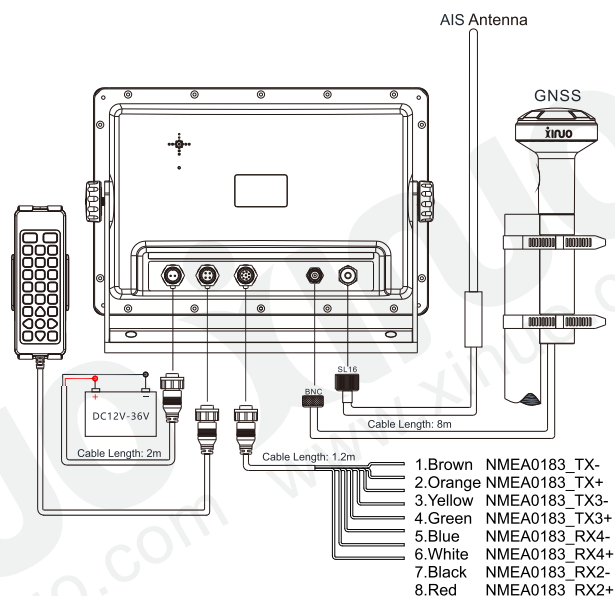
Specifications

[Unit: mm]

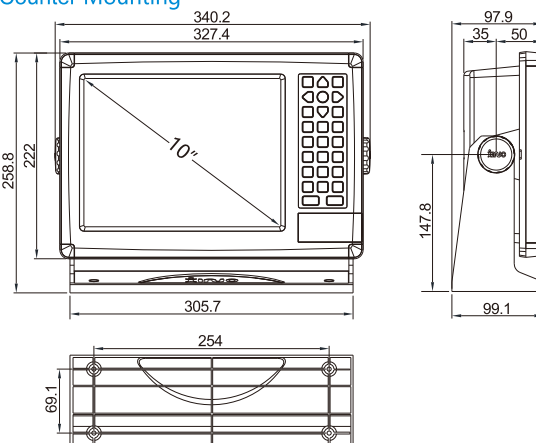
| Display Unit | HM-5900(10") |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Type | Color TFT LCD |
| Display Size | 10.4 inch |
| Display Resolution | 800×600 pixels |
| Display Brightness | 300cd/m ² |
| Language | Classic mode: English, Simplified Chinese, Traditional Chinese, Vietnamese Utility mode: English, Simplified Chinese, Traditional Chinese, Vietnamese, Malay, Korean, Turkish, Thai, Greek, Indonesian, Japanese, Myanmar, Arabic, Persian, Spanish, French |
| Display Modes | Classic mode: Standard Chart, GPS data, AIS data, Navigation Chart, Full Chart, 3D Navigation, 3D+Chart, Compass, GNSS Utility mode: Standard Chart, Pure Chart, Simple Chart, AIS Data, Sailing Data, GNSS, 3D Navigation, Compass |
| Memory Capacity | 50,000 waypoints, 50,000 markers, 500 routes, one route can indicate 200 waypoints, 1000 tracks, 1,600,000 track points |
| Interface | AIS Output 1 Ports, NMEA 0183 Output 2 Ports, NMEA 0183 Input 3 Ports (Mutual independent, Baud rate can be set independently) |
| WiFi | 802.11 b/g/n |
| Power Supply | DC12V~36V |
| Power Consumption | 11W or less (24 VDC) |
| Enviromental | |
| Working Temperature | -15°C~+55°C |
| Storage Temperature | -20°C~+60°C |
| Waterproofing | IP65 |
| AIS Class B | |
| Frequency | 156.025MHz ~ 162.025MHz |
| Bandwidth | 25kHz |
| Modulation | GMSK / FM |
| Data Rate | 9,600 bps |
| Number of AIS transmitter | 1 |
| Number of AIS Receiver | 2 (Contains A and B channels) |
| AIS Channel A(default) | CH87B(161.975MHz) |
| AIS Channel B(default) | CH88B(162.025MHz) |
| TX Power Output | 2 W |
| RX Sensivity | < -107 dBm @ 20% PER |
| 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 62287-1, IEC 61108-1, IEC 61162-1, IEC 60945, ITU-R M.1371-5, IMO Resolution A.694(17) |

| Packing List | | | |
|-------------------|----------|-----------------|----------|
| Name | Quantity | Name | Quantity |
| Display | 1 | Large Knob | 2 |
| Bracket | 1 | Rubber Gasket | 4 |
| Power Cable (2m) | 1 | 3*20 Screw | 4 |
| Data Cable (1.2m) | 1 | 4.2*20 Screw | 4 |
| GNSS Antenna(8m) | 1 | Quick Reference | 1 |

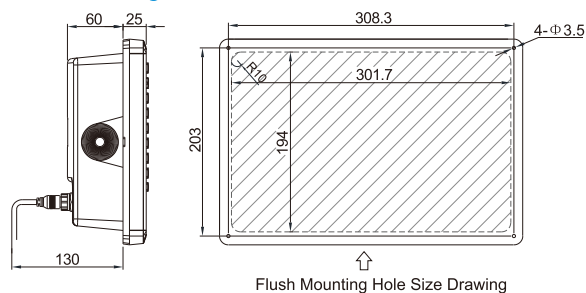
System Connection Diagram and Serial Port Definition



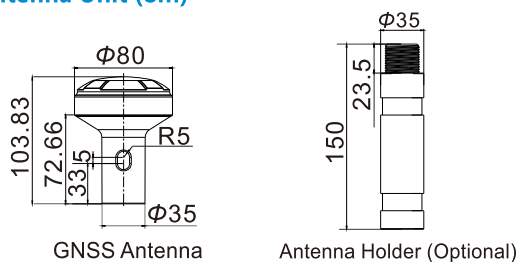
Main Unit Counter Mounting



Flush Mounting



GNSS Antenna Unit (8m)



Dealer:



WWW.XINUO.COM

Xinuo Information Technology (Xiamen) Corporation Limited