

GENERAL SPECIFICATION

1. Display Screen
ST-1010 : 10.4 inch color touch LED backlight
ST-1212 : 12.1 inch color touch LED backlight
2. Resolution
ST-1010 : XGA (1024 X 768pixels)
ST-1212 : XGA (1024 X 768pixels)
3. Power Supply
DC 12V~36V(±10%)
4. Operating Temperature
Display Unit -15°C~+50°C
Antenna Unit -25°C~+70°C
5. Performance Standard
IMO Resolution MSC.112(73)

GPS RECEIVER SPECIFICATION

1. GNSS Receiver Capabilities
GPS L1 C/A code
GLONASS L1OF/
QZSS L1 C/A code
Galileo E1B/E1C/L1
2. Number of Channel
52 channels
3. Horizontal Positioning Accuracy
Autonomous 2.5m (CEP 50%)
4. Sensitivity
Acquisition -148 dBm
Tracking -165 dBm
Reacquisition -162 dBm
5. Nav Update
1Hz, 5Hz
6. Support
DGPS, SBAS(EGNOS, WAAS, MASA, GAGAN)

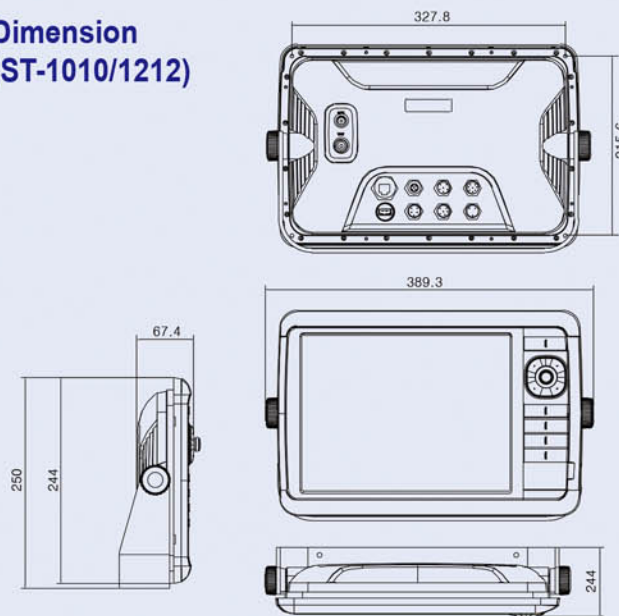
GPS CHARTPLOTTER SPECIFICATION

1. Display Method Mercado Projection
2. Display Mode
True motion / N/S/E/W up / Course up / Head up
3. Latitude Limits Between 85° N to 85° S
4. Map Scale 0.05nm to 1500nm
5. Map Datum WGS-84
6. Waypoint 30,000 points
* Total of 16 colors and 16 icons are selectable each point with name tag (8 alphanumeric characters)
7. Track Point 50,000 points(2 types)
8. Route Max capacity 100 Routes
* 20 WPTs per each Route. Each with name tags (8 alphanumeric characters)
9. Draw Point 1,000 points
10. Area Name 1,000 points
11. Chart Data
HY-MAP(Built-in or External)/ C-MAP/ Navionics
12. Output Data NMEA-0183
13. Input Data NMEA-0183
14. Alarm
Arrival, Anchor, XTE, Interval timer, Userline

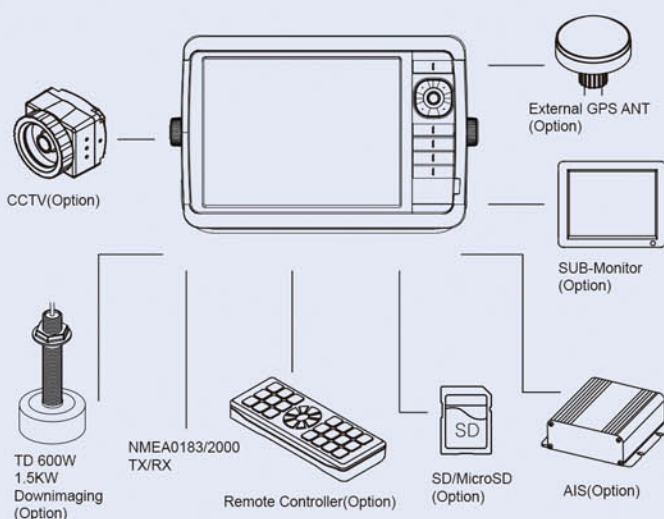
FISHFINDER SPECIFICATION

1. Display Mode
Normal (single/dual-frequency), Bottom-lock, Bottom-zoom, Partial-zoom, A-scope
2. Frequency
Fishfinder 50 KHZ and 200 KHZ
3. Output Power
600W / 1.5KW
4. Range
600W 2.5m ~ 600m
1.5KW 2.5m ~ 1,200m
5. Image speed
Fixed 8 speeds (4/1, 2/1, 1/1, 1/2, 1/4, 1/8, 1/16, 1/32) and stop
6. Rejection
Interferens rejection 3 levels
Noise rejection 4 levels
7. Function
Gain(auto/manual), Range(auto/manual), Shift(auto/manual), White/Black line
Support speed sensor, Water temperature

Dimension (ST-1010/1212)



Interconnection(ChartplotterFishfinder)



* SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Certified to ISO 9001/2000

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Stella at your commend



ST-1010CF

10.4 inch Chartplotter/Fishfinder



ST-1212CF

12.1 inch Chartplotter/Fishfinder

HAIYANG



ST-1010CF
(Chartplotter/Fishfinder)



Android OS

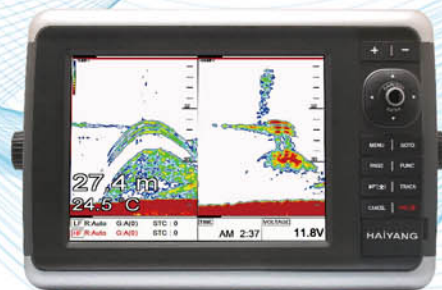
- ▶ Full Multi-touch
- ▶ Smart Design
- ▶ Easy Flash Mount



ST-1212CF
(Chartplotter/Fishfinder)



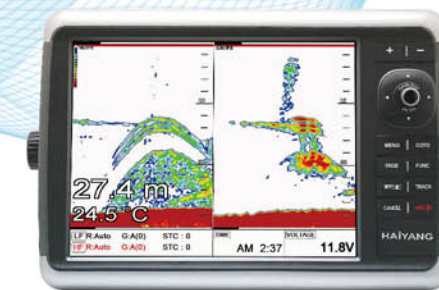
ST-1010C
(Standalone Chartplotter)



ST-1010F
(Standalone Fishfinder)



ST-1212C
(Standalone Chartplotter)



ST-1212F
(Standalone Fishfinder)

CHARTPLOTTER SPECIFICATION



Multi-touch screen

Moving map, zoom-in/out, erasing the part of track, customizing the page, editing the menu, mark inputting/moving/erasing, editing the data bar, etc are available with touch-screen.



Data storing

SD card, internal memory, USB, Android smart phone can store user data(Mark/Track/Route).



Minute map scale

Very minute map scale supports extreme zoom-in/out, which helps accurate inputting marks and safety of navigation.



HDMI supporting

HDMI supports any kind of sub monitor.



Echo sounder

Full digital echo sounder supports for the super ultra sounder image. Even you miss the important fishing spot, you can scroll the previous image to find it that is called, "Time machine".



AIS

When connecting AIS, providing various information for safety and navigation. When setting alarm against other vessels, safer navigation is provided.



Dual chartplotter screen

Dual chartplotter screen supports independent map orientation and zoom-in/out and sharing user data(WPT, Track, Route).



Internet

When connecting WiFi or Hotspot through Android smart phone, internet/web browser are available for searching the real time weather, current, tide, etc. Also, auto update such as the latest S/W is available.



Multi-media

When connecting your Android mobile phone or direct connecting SD/USB, photo and video are available. If you want to hear a sound, bluetooth speaker can connect.

MULTI-TOUCH



Merit of multi-touch

Multi-touch provides more convenient and quicker operation with using your finger directly on the screen than using keypad in the past. Your finger shows magic on the screen when zoom-in/out, moving map, inputting marks and erasing tracks. Even wet finger can do it.

Zoom-in/out



Easy erasing the part of the track



Moving map



Easy inputting marks, moving and erasing



INTERNET



Merit of Internet

When connecting WiFi or your Android phone, auto updating system is available and you can enjoy internet through web browser as at your home and checking the current weather.

