

10.4 inch Multi-Functional AIS Transponder

Model : ST-1010CFA



**Globally certified AIS
Class B**



10.4 inch Touch Screen



**Providing the detailed
cartography**



Digital Fishfinder



ST-1010CFA

Chartplotter / Fishfinder / AIS



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.



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.



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.



103-903 BUCHEON TECHNOPARK 22 Samjakro

Bucheon Gyeonggi, Korea

TEL : +82 32 327 4712

FAX : +82 32 327 4713

Web-site : <http://www.haiyang.co.kr>

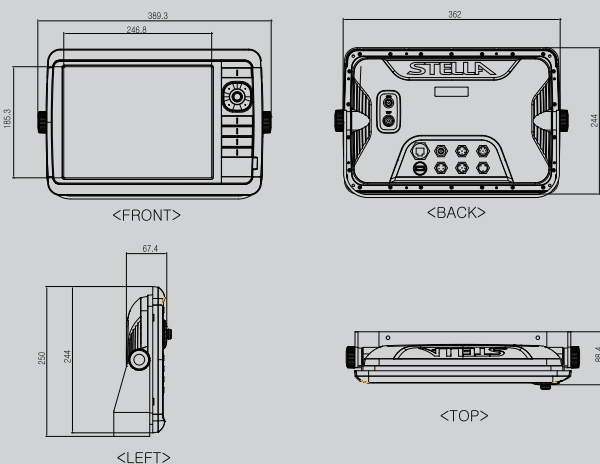
GENERAL SPECIFICATION

1. Display Screen
10.4 inch color touch LED backlight
2. Resolution
XGA (1024 X 768 pixels)
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)
6. Option
SD, Micro SD, Transducer, VHF Antenna

GPS CHARTPLOTTER SPECIFICATION

1. Display Method Mercator 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 100,000 points
* Total of 16 colors and 16 icons are selectable each point with name tag (8 alphanumeric characters)
7. Track Point 100,000 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/
12. Output Data NMEA-0183, NMEA 2000
13. Input Data NMEA-0183, NMEA 2000
14. Alarm
Arrival, Anchor, XTE, Userline, CPA, TCPA

Dimension



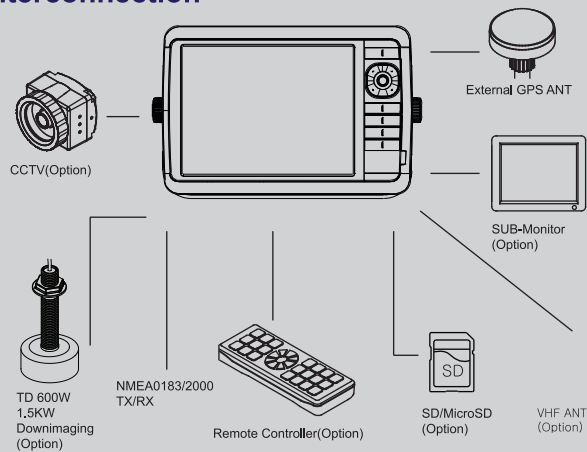
AIS SPECIFICATION

AIS standards	IEC62287-1 Ed3
	ITU-R M.1371-5
Frequency	156.025MHz to 162.025MHz
Transmitter	X 1
Receiver	X 2
Channel Spacing	25KHz
Frequency stability rate	±10PPM(-20°C ~ +60°C)
Sensitivity	107dBm (Message error rate : 20%)
Display stats	On, TX, RX1,RX2
Output power	2W or 4W
Demodulation	GMSK

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
Interferences 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

Interconnection



*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Certified to ISO 9001/2000

Haiyang OLIX CO., LTD.
103-903 BUCHEON TECHNOPARK 22 Samjakro
Bucheon Gyeonggi, Korea
Tel : +82 32 327 4712 Fax : +82 32 327 4713
Web-site : <http://www.haiyang.co.kr>
E-mail : sales@haiyang.co.kr

04723H Printed in Korea