

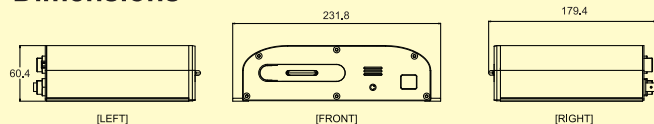
GENERAL SPECIFICATION

- Resolution : 1024 X 768 pixels
- Power Supply : DC 12V~36V(10%)
- Operating Temperature
Unit : -15°C~±50°C
Antenna : -25°C~±70°C
- Performance Standard
IMO Resolution MSC.112(73)

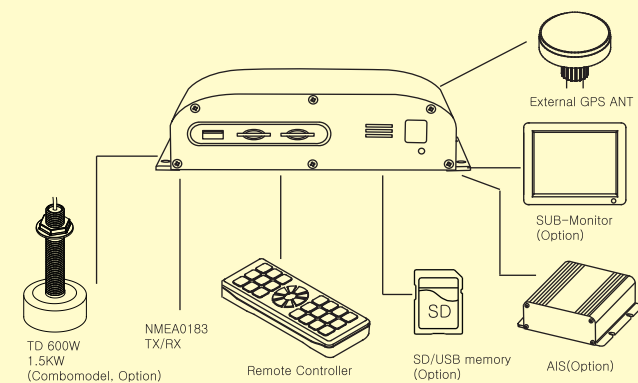
CHARTPLOTTER SPECIFICATION

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

Dimensions



Interconnection(Chartplotter/Fishfinder)



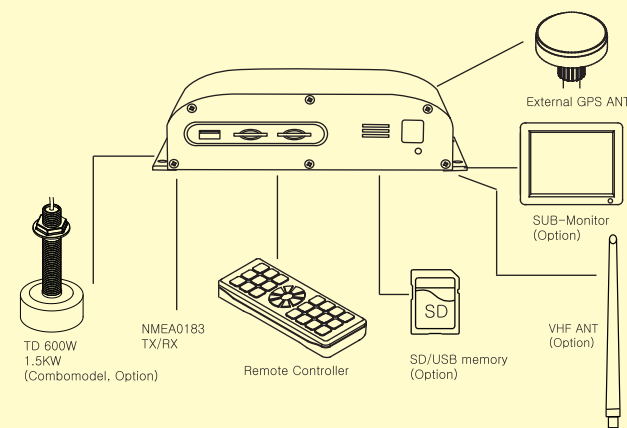
GPS SPECIFICATION

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

FISHFINDER SPECIFICATION

- Display Mode
Normal (single/dual-frequency), Bottom-lock, Bottom-zoom, Partial-zoom, A-scope
- Frequency
Fishfinder : 50 kHz and 200 kHz
- Output Power
600W/ 1.5kW
- Range
600W : 2.5m ~ 600m
1.5kW : 2.5m ~ 1,200m
- Image speed
Fixed 8 speeds (4/1, 2/1, 1/1, 1/2, 1/4, 1/8, 1/16, 1/32) and stop
- Rejection
Interferencs rejection: 3 levels
Noise rejection: 30 levels
- Function
Gain(auto/manual), Range(auto/manual), Shift(auto/manual), White/Black line
Support speed sensor, Water temperature, Time machine, Contrast

Interconnection(AIS Combo unit)

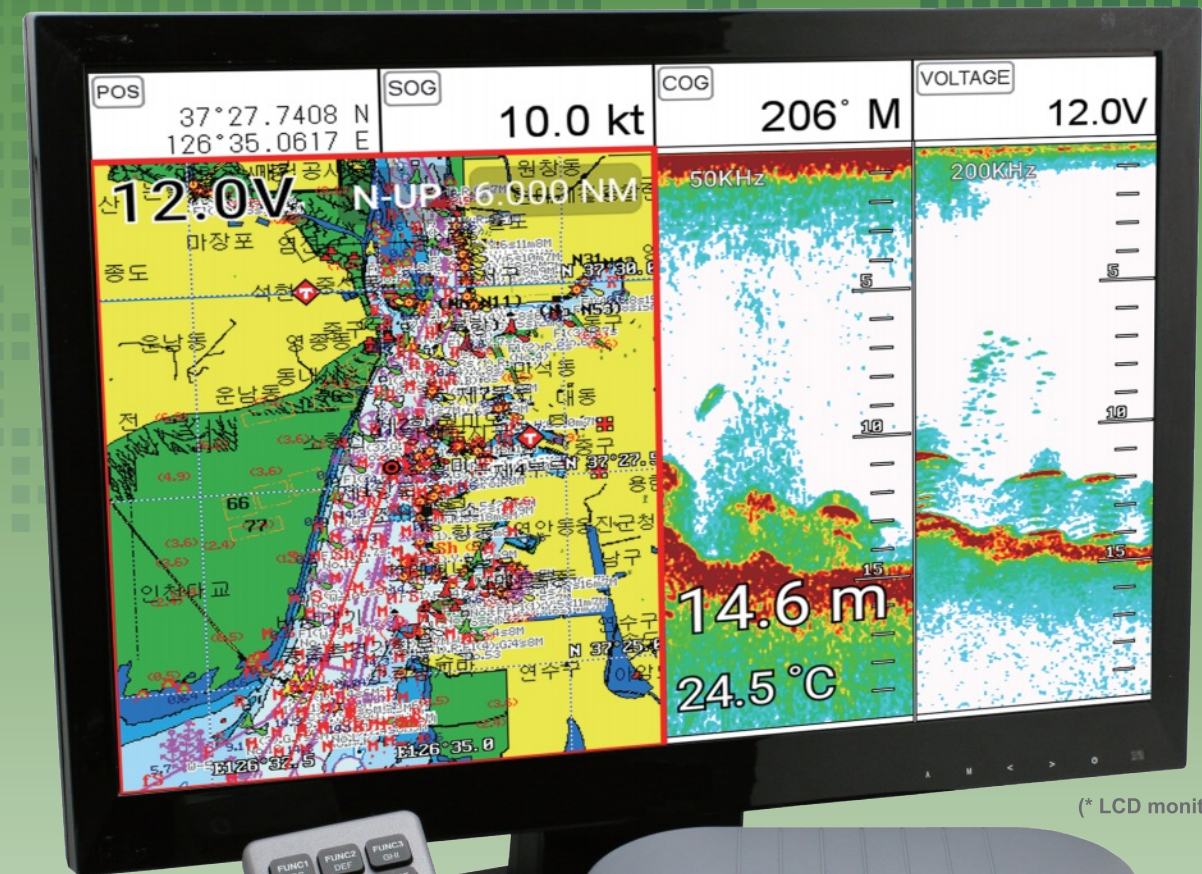


HAIYANG
The Power of Marine Equipment

Move to the future!

New Smart Chartplotter Controller series

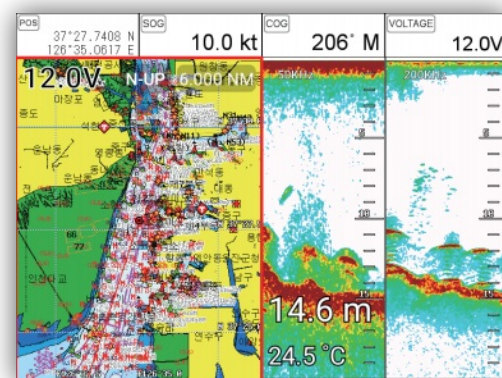
HD-580C / HD-580CF / HD-580CA



(* LCD monitor is option)



HD-580CF
(Combo)



HD-580CF
(Combo)



HD-580C/HD-580CA
(Chartplotter/AIS combo)

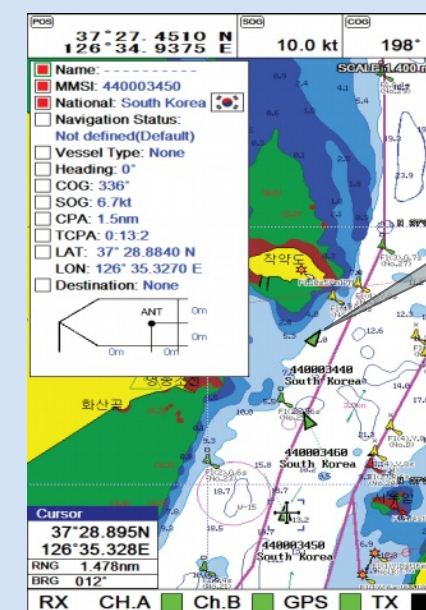
Free-direction Wireless RC !

Low Power Consumption !

Tracking up to 10 vessels independently !

AIS SPECIFICATION

1. Frequency
156.025MHz ~ 162.025MHz
- Default channel 88B, AIS(162.025MHz)
- Default channel 87B, AIS(161.975MHz)
2. Channel Spacing
25KHz
3. Frequency stability rate
 $\pm 10\text{PPM}(-20^{\circ}\text{C} \sim +60^{\circ}\text{C})$
4. Data Rate
25kHz GMSK (AIS, TX and RX)
25kHz AFSK (DSC, RX only)
5. Output power
2W(33dBm $\pm$ 1.5dB)
6. Demodulation
GMSK



AIS INFO Window

CHARTPLOTTER SPECIFICATION



Wireless Remote-controller

New HAIYANG's Wireless Remote-controller provides Free-direction operating.



Accuracy GPS Engine

New Haiyang's GPS engine, accuracy of the position. accuracy of the position. Real-time head-moving is available.
- DGPS
- SBAS(WAAS, etc.)



C-MAP 4D

New C-MAP 4D features such as FFVC with tide¤t, 3D view, satellite overlay, etc supporting.



SD support

SD card memory available to store user data(WPT, mark, track, etc) or upgrade new S/W and chart.



High Speed CPU

High speed CPU is built-in. High speed zoom-in/out, high speed moving cursor.



Multi-language

Selection of languages, Korean, English, Italian, Spanish, Chinese, Taiwanese, Vietnamese, Arabic, Thai, Greek, Turkish, Malay, Indonesian, Aarabic, Indian(Hindi, Gujarati) Persian etc.



Various AIS information

When connecting AIS, sorting MMSI, Ship's name, nationality, CPA, etc available. Additionally, easy measuring the distance of other ships available with AIS radius. Tracks the movement of up to 5 vessels with track history and optional live details on individual vessels.

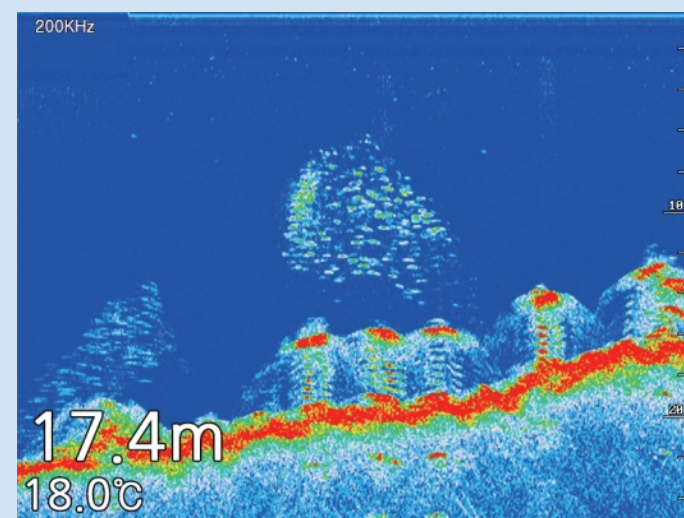


AIS List Alarm

User can appoint the AIS targets with the size and color in the AIS MMSI list. Besides, user can name targets intentionally which have no names.

FISHFINDER SPECIFICATION

Digital Fishfinder V3.0



HD-580CF new digital fishfinder technology V 3.0 upgraded from V 2.0 provides more advanced analysis and performance.
-Upgraded to true colors of 256(V 2.0 provided 16 colors)
-AI noise filtering
-Faster time machine functionality



Scrolling The Passed Image

Time-machine function, if you passed or missed any important fishing point or dangerous area, provides you to go back to the passed point.

It is great to find any missed point and as GPS is supporting, it's easy to add the WPT on the MAP.

Hopefully, enjoy your fishing life!