

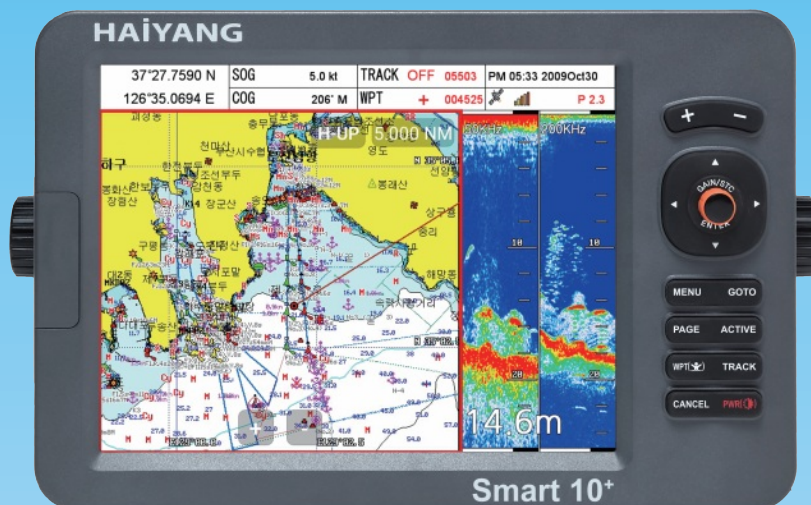
Models: HD-1000C/CF

LED Backlight

Low Power Consumption

C-MAP 4D

Various AIS INFO Display



High Speed CPU

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



Internal GPS ANT standard

New Haiyang's internal GPS ANT, accuracy of the position,
Real-time head-moving is available

- DGPS
- SBAS(WAAS, etc.)



Multi-language

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



SD support

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



Digital Fishfinder 3.0

Smart 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



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.



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.



C-MAP 4D

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



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
Smart 10 : 10.4 inch color LCD with LED backlight
2. Resolution
Smart 10 : SVGA (800 X 600 pixels)
3. Power Supply
DC 12V~36V($\pm 10\%$)
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
6. Support
DGPS, SBAS(EGNOS, WAAS, MASA, GAGAN)

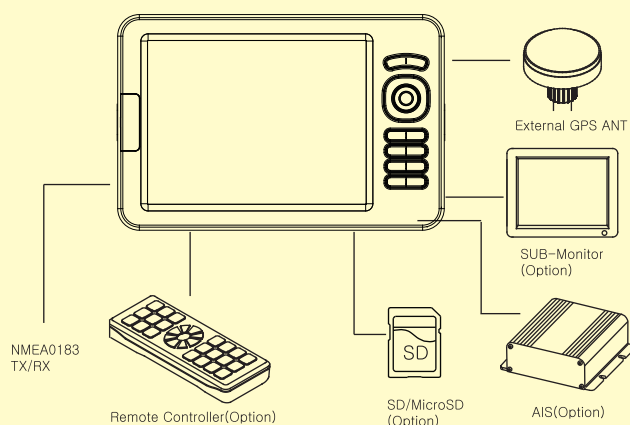
CHARTPLOTTER SPECIFICATION

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 100,000 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 4D
12. Output Data NMEA-0183
13. Input Data NMEA-0183
14. Alarm Arrival, Anchor, XTE, Interval timer, Userline

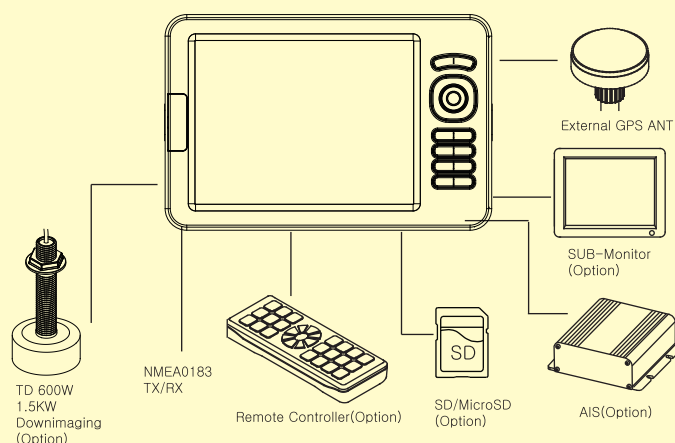
SONAR SPECIFICATION

1. Display Mode
Normal (single/dual-frequency), Bottom-lock, Bottom-zoom, A-scope
2. Frequency
Fishfinder : 50 kHz and 200 kHz
3. Output Power
600W/ 1.5kW
4. Range speed
600W : 2.5m ~ 600m
1.5kW : 2.5m ~ 1500m
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: 30 levels
7. Function
Gain(auto/manual), Range(auto/manual), Shift(auto/manual), White/Black line, Support speed sensor, Water temperature, Time machine, Contrast

Interconnection(Chartplotter)



Interconnection(Combo/Fishfinder)



*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Certified to ISO 9001/2000

04723H Printed in Korea

Haiyang OLIX CO., LTD.
103-903 Bucheon Technopark 22 Samjakro Ojeonggu
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