

GENERAL SPECIFICATION	
Display	13.3 inch color touch LED backlight
Resolution	FHD (1920X 1280 pixels)
Power Supply	DC 12~36V(±10%)
Operating Temperature	Display Unit : -15°C ~ +50°C Antenna unit : -25°C ~ +70°C
Performance Standard	IMO Resolution MSC.112(78)

GPS CHARTPLOTTER SPECIFICATION	
Display Method	Mecado Projection
Display Mode	True motion/ N,S,E,W, Head, Course up
Latitude Limits	85°N ~ 85°S
Map Scale	0.05NM ~ 1,500NM
Waypoint(Mark)	100,000 Points
Track Point	100,000 Points(2 type)
Route	100 routes(*20 WPTs per each Route)
Draw Point	1,000 points
Area Name	1,000 points
Chart Data	HY-MAP +
Output Data	NMEA-0183
Input Data	NMEA-0183, NMEA 2000
Alarm	Arrival, Anchor, XTE, Userline, CAP, TCPA

GPS RECEIVER SPECIFICATION	
GNSS Receiver Capabilities	GPS L1 C/A code GLONASS L1OF QZSS L1 C/A code Galileo E1B/E1C/L1
Number of Channel	Over 50 channels
Accuracy	Autonomous 2.5m (CEP 50%)
Sensitivity	Acquisition -148 dBm Tracking -165 dBm Reacquisition -162 dBm
Nav Update Support	1Hz, 4Hz, 10Hz DGPS, SBAS, EGNOS, WAAS, MASA, GAGAN, GLONASS

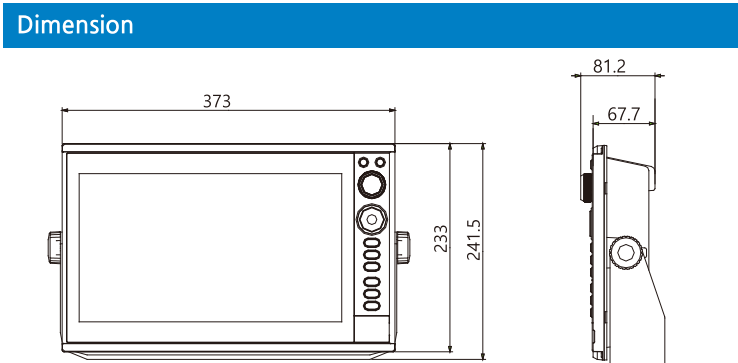
SONAR SPECIFICATION(Only CF, CI)	
Mode	Normal, Lock, Zoom, A-scope
FF Frequency	Fishfinder 50kHz/200kHz/340kHz
FF Output Power	600W(SS502/522) / 1.5kW(SS422)
Image Sonar FREQ	455kHz
Range	2.5m ~ 600m (600W) 2.5m ~ 1,500m (1.5kW)
Image Speed	8 Speeds (4/1, 2/1, 1/1, 1/2, 1/4, 1/8, 1/16, 1/32) and Stop
Rejection	Nose rejection 30 levels Interferencs rejection 4 levels
Function	Gain(auto,manual), Range(auto/manual), Shift, White/Black line, Support speed sensor, Water temperature

TRANSDUCER SPECIFICATION	
[FishFinder]	
Model	SS502
Frequency	50/200kHz
Output Power	600W
Housing	Stainless
TEMP Sensor	O
Type	Thru-hull

Model	SS422
Frequency	50/200kHz
Output Power	1.5KW
Housing	Stainless
TEMP Sensor	O
Type	Thru-hull

Model	SS522
Frequency	50/200/340kHz
Output Power	600KW
Housing	Stainless
TEMP Sensor	O
Type	Thru-hull

Model	SS903	Housing	SS+Epoxy
Frequency	455kHz	Type	Thru-hull



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Best choice of optimizing performance for fishing

KINGFISH13



[KingFish13 Series]

Certified to ISO 9001/2000

04723H Printed in Korea

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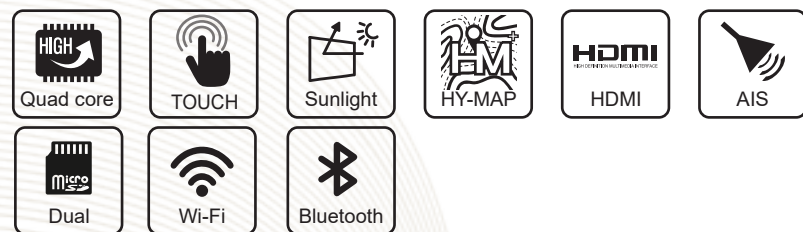
Tel : +82-32-327-4712 Fax : +82-32-327-4713

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

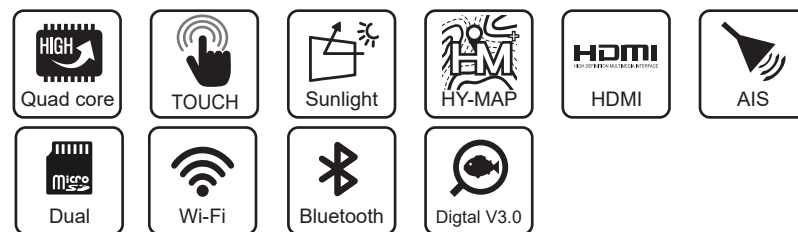
E-mail : sales@haiyang.co.kr

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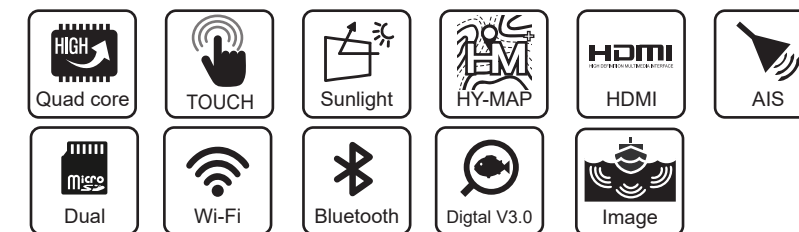
KingFish13 series



[KingFish13 Lite/KS-133C]



[KingFish13/KS-133CF]



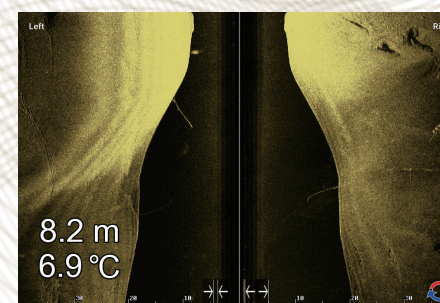
[KingFish13 Pro/KS-133CI]

General Features

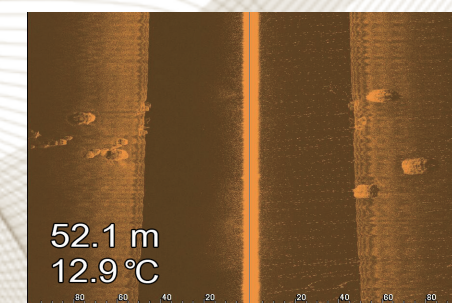
- Multi-touch screen**
Scaling map, zoom-in/out, erasing the part of tracks, customizing pages, editing menus, mark inputting/moving/erasing(individual/area), editing the data bar are available with fingertips.
- Data Storing/Sharing**
Data(WPT/Track/Route) storing and sharing are available via SD card, internal memory, USB OTG and Android smart phone via Pegasus APP
- Bluetooth Network**
KingFish devices can communicate(Data Sharing) each other via Bluetooth
- HDMI supporting**
Remote display is available via HDMI monitor
- Digital Fishfinder V 3.0**
Full digital fishfinder presents super ultra fishfinder image. Even you miss fishing spots and objects, scaling previous images helps to find anything you missed
- AIS List Alarm (Option)**
Easy managing AIS targets sizes and colors via AIS List
- Online Update**
As long as WIFI or Hotspot via mobile phone, upgrading the latest S/W and map is available anywhere and everytime you are.
- ARPA Target Tracking**
When connecting ARPA, radar targets is able to track and provide target position and heading. After storing radar target tracks, you can check via the tracks anytime required.

Super Ultra Imaging Sonar Performance

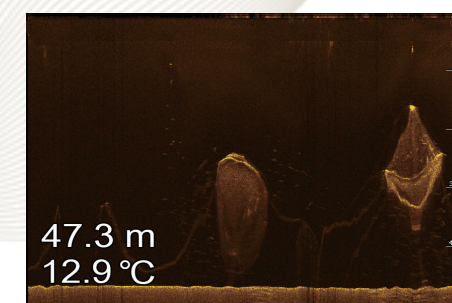
- Real Time Image Process**
High speed CPU processes a lot of fishfinder/imaging sonar data in real time. When you're approaching fishing points, it helps you to be on the precise point.
- Wider and Deeper via Super Output Power**
Super output power of 455Khz provides much wider image in shallow water and much deeper image in deep water.



[Shallow Water Image]



[Deep water Image]



[Down Image]

