

7 inch Multi-Functional AIS Transponder

Model : HIS-75A

 **Full LED backlight**



Easy operation with turbo keys



Registered AIS targets(MMSI) alarm



Track up to 10 vessels independently



▶ Display

◆ High Resolution Display

7" wide LED backlight display supplies ultra super clean image even direct sunlight and makes the unit easy to use.

◆ Detailed chart background

Monitors position, speed and heading of vessels on the background chart or on detailed cartography(optional).

◆ Chartplotter feature support

Some chartplotter features support such as instant GOTO, inputting marks, tracks, etc.

◆ Track up to 10 vessels independently

Tracks the movement of up to 5 vessels with track history and optional live details on individual vessels.

▶ AIS Features

◆ Displays the following

Class-A vessels, Class-B vessels, Base Stations, Aids to Navigation, AIS SARTs

◆ CPA&TCPA alarms

Allows variable parameters to be set for CPA and TCPA alarms

◆ Easy to see AIS information

Listing of all vessels with name, MMSI, range and bearing, with full details on each vessel and ability to display different types of vessel by colour, different nationalities (up to 4 nationalities) by national flags, and different types of transmission by icon.

◆ International standard design

Designed by IMO regulation, "IE 60945". Suitable to get any approval or certificate in the world.



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General Product Specifications

Display Specifications

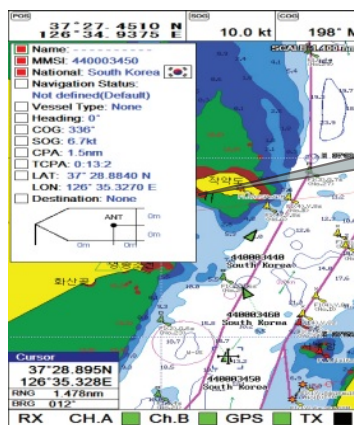
Display screen	Wide 7inch color TFT LCD, LED back-light
Power supply	DC 12V~36V
Operating Temperature	Display Unit -15°C~+50°C Antenna Unit -25°C~+70°C
Performance Standard	IMO Resolution MSC.112(73)
Display Method	Mercator projection
Display Mode	True motion/North up Course-up/Head up
Latitude Limits	Between 85° N to 85° S
Map Scale	0.05nm~500nm
Map Datum	WGS-84
Waypoint	100,000 point
Track Point	50,000 point
Route	Max capacity 100 Routes
20 WPTs per each Route. Each with name tags (8 alphanumeric characters)	
Chart Data	HY-MAP / C-MAP 4D
Output Data	NMEA-0183
Input Data	NMEA-0183
Alarm	Interval timer AIS(CPA, TCPA)

GPS Specifications

Receive Frequency	L1 1575.42MHz(C/A)
Number of Channel	50 channel over
Accuracy	Position 2.5m CEP
Sensitivity	Acquisition -140 dBm, Tracking -149 dBm
Data Update Rate	1 Second

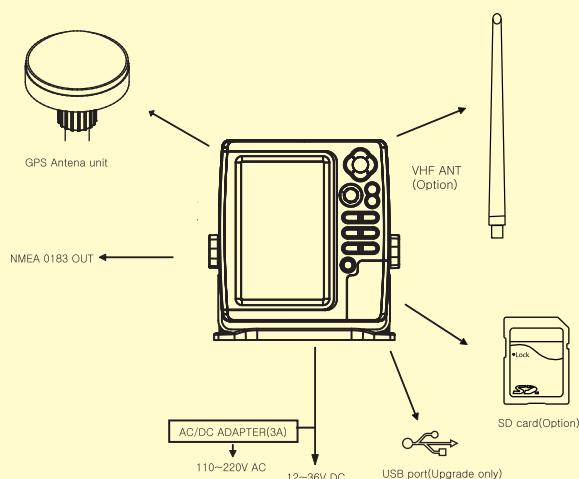
AIS Specifications

Dimension	188mm x 200mm x 63.5mm
Weight	1.11Kg
Connector	VHF ANT (PI-259) GPS ANT (BNC)
Frequency	156.025MHz ~ 162.025MHz - Default channel 88B, AIS(162.025MHz) - Default channel 87B, AIS(161.975MHz)
Channel Spacing	25KHz
Frequency stability rate	±10PPM(-20 °C ~ +60 °C)
Data Rate	25kHz GMSK (AIS, TX and RX) 25kHz AFSK (DSC, RX only)
Sensitivity	-107dBm(Message error rate : 20%)
Display stats	On, TX, RX1,RX2
Compliant with	IEC62287-1 Class B , ITU-RM.1371-1, IEC61162-1, EN-60945
Output power	Up to 5W
Demodulation	GMSK

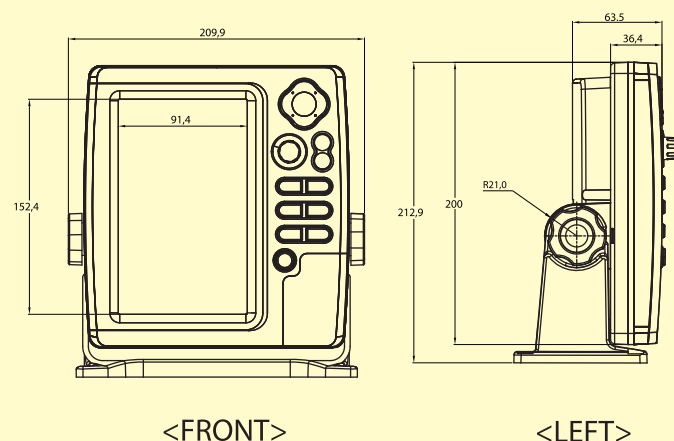


AIS INFO Window

Interconnection Diagram



Dimension



*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Certified to ISO 9001/2000

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