

4.3" / 5" inch Muti-Functional AIS Transponder/Receiver

Model : HIS-43A/43R/50A/50R



HIS-43A



HIS-50A

▶ Display

◆ High Resolution Display

4.3/5" wide LED backlight display supplies ultra super clean image even direct sunlight and makes the unit easy to use.

◆ Providing the detailed cartography

AIS target position, speed and heading of vessels on the detailed cartography.

◆ Chartplotter feature support

Some chartplotter features support such as GOTO, mark, track, etc.

◆ Tracking up to 5 vessels independently

Tracking targets up to 5 vessels with the track history and monitoring AIS on target by each vessel.

▶ 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 show different types of vessel by colour, 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.



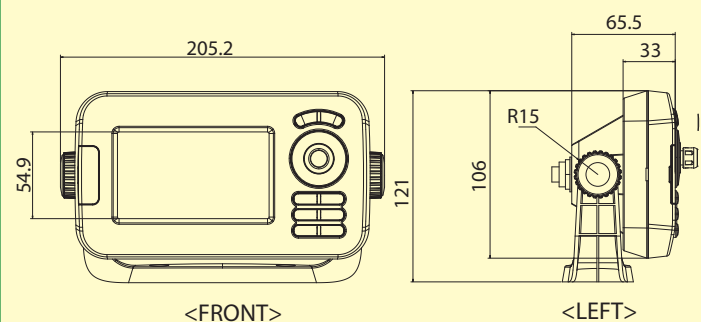
**103-903 Bucheon Technopark 364 Samjeongdong Ojeonggu
Bucheon Gyeonggi, Korea**
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Web-site : <http://www.haiyang.co.kr>

Display Specifications	
Operating system	Microsoft Windows
Display screen	4.3 inch color LCD with LED back-light(HIS-43A/43R) 5 inch color LCD with LED back-light(HIS-50A/50R)
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	20,000 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	Built-in/C-MAP
Output Data	NMEA-0183
Input Data	NMEA-0183
Alarm	Interval timer AIS(CPA, TCPA)

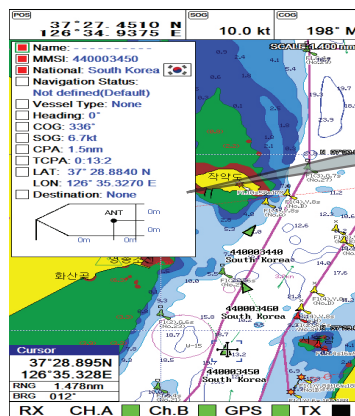
GPS Specifications	
Receive Frequency	L1 1575.42MHz(C/A)
Number of Channel	Over 50 channel
Accuracy	Position 2.5m CEP
Sensitivity	Acquisition -140 dBm, Tracking -149 dBm
Data Update Rate	1 Second

* Marked available only in AIS Transponder(43A/50A)

Dimension(HIS-43A/43R)

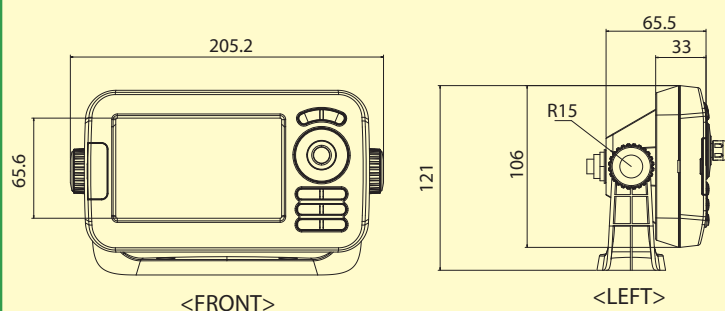


AIS Specifications	
Connector	VHF ANT (PI-259)
	GPS ANT (BNC)
*Frequency	156.025MHz ~ 162.025MHz - Default channel 88B, AIS(162.025MHz) - Default channel 87B, AIS(161.975MHz)
Channel Spacing	25KHz
Frequency stability rate	±10PPM(-20°C ~ +60°C)
*Data Rate	25kHz GMSK (AIS, TX and RX) 25kHz AFSK (DSC, RX only)
*Sensitivity	-107dBm(Message error rate : 20%)
Display stats	On, TX, RX1,RX2
*Compliant with	EN-60945
*Output power	2W(33dBm ± 1.5dB)
Demodulation	GMSK



AIS INFO Window

Dimension(HIS-50A/50R)



*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Certified to ISO 9001/2000

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