

Class B Automatic Identification System

Model : HIS-770B

Functionality

The HIS-700TRX receives AIS radio signals, both class A (sent by commercial & larger crafts) and also Class B (sent by an increasing number of leisure crafts). The signals are converted into a NMEA message, which can be displayed on AIS enabled chart plotters or on P.C. software (Supplied). The HIS-700TRX also transmits your yacht own dynamic & static ship data, so you can be seen by other AIS equipped vessels.

What else do I need to use HIS-700TRX?

You need a dedicated GPS antenna which we can supply a VHF antenna.

Before transmitting you need your own ship's MMSI number, but you can receive AIS data until this programmed in. Your dealer can supply you with a fully programmed the HIS-700TRX ready to switch on.



Characteristics

- ◆ AIS Class B CS transceiver with latest Micro Processor technology
- ◆ Fully certified through official authorities
- ◆ Silent mode capable
- ◆ Simple LED Status
- ◆ PC Software for configuration, but also to display AIS information on the PC, included.

Options

- ◆ GPS & VHF combined antenna, part number A028
- ◆ 38,400 and 4800 are available
- ◆ Silent mode capable
- ◆ HIS-700DP (Display)

Specification

- ◆ **Physical:**
Dimensions 183 x 132 x 59 mm (L x W x H)
- ◆ **Power:**
DC (12-36V)
- ◆ **GPS Receiver:**
IEC 61108-1 compliant
- ◆ **Electrical Interfaces:**
RS232 38.4kBaud bi-directional
RS422 NMEA 38.4kBaud bi-directional
- ◆ **Connectors:**
Power/VHF ANT BNC/GPS ANT TNC
Interface RS232/RS422
- ◆ **VHF Transceiver:**
Transmitter x 1/Receiver x 2
(One receiver time shared between AIS and DSC)
Frequency: 156.025 to 162.025 MHz



HAIYANG

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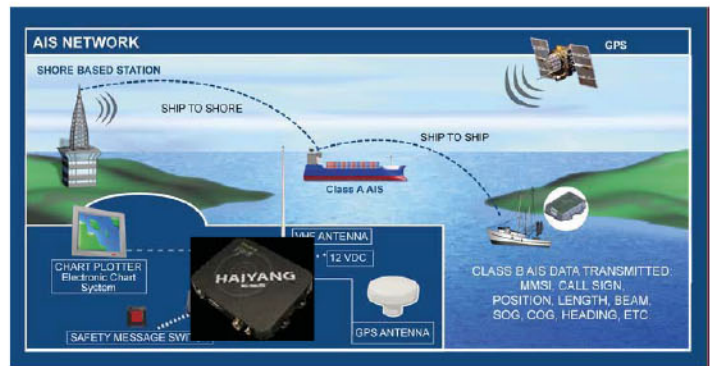
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Web-site : <http://www.haiyang.co.kr>

Specification

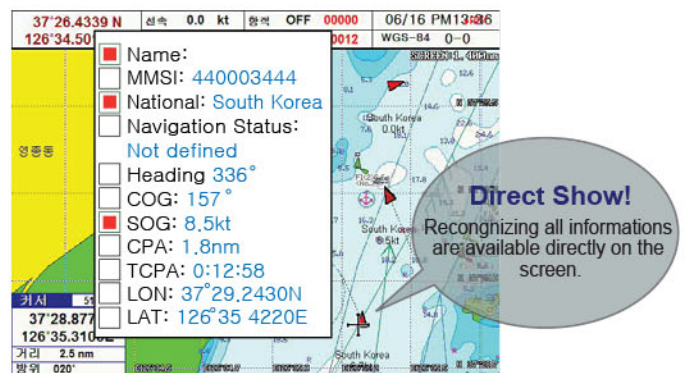
Physical	Dimensions 183 x 132 x 59 mm (L x W x H) Weight 800g
Power	DC (12-36V) Average power consumption 4W Peak current rating 2A
GPS Receiver	IEC 61108-1 compliant
Electrical Interfaces	RS232 38.4kBaud bi-directional RS422 NMEA 38.4kBaud bi-directional
Connectors:	Power 3PIN VHF Antenna connector PL259, RG58 GPS Antenna connector BNC Interface RS232/RS422
VHF Transceiver	Transmitter x 1 Receiver x 2 (One receiver time shared between AIS and DSC) Frequency: 156.025 to 162.025 MHz in 25 kHz steps
Output Power	33dBm $\pm$ 1.5 dB
Channel Bandwidth	25kHz
Modulation Modes:	25kHz GMSK (AIS, TX and RX) 25kHz AFSK (DSC, RX only)
Bit rate	9600 b/s $\pm$ 50 ppm (GMSK) 1200 b/s $\pm$ 30 ppm (FSK)
VHF Receiver	Sensitivity - 107dBm 25kHz (Message Error Rate 20%) Co-Channel 10dB Adjacent Channel 70dB IMD 65dB Blocking 84dB
Environmental	IEC 60945 Operating Temperature: -25°C to +55°C
Indicators	On, TX, RX, Status, TX timeout, Error, TX Off

What is AIS?

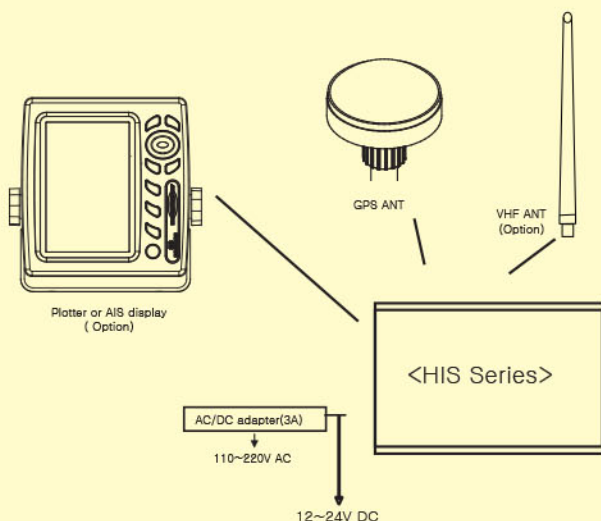


AIS stands for Automatic Identification System. AIS increases navigational safety and collision avoidance by transmitting vessel identification, helping to reduce the difficulty of identifying ships when not in sight (e.g. at night, in radar blind arcs or shadows or at distance) by broadcasting navigational intentions to other vessels by providing ID, position, course, speed and other ship data with all other nearby ships and land based stations.

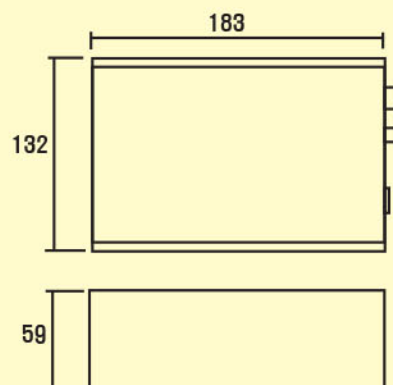
Connection with HAIYANG Chartplotter



Interconnection Diagram



Dimension



*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Certified to ISO 9001/2000

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