



Automatic Identification System

Model: AIS-700



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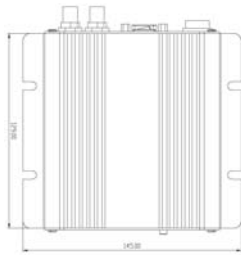
AIS-700, the dual channel VHF transceiver is designed to broadcast its own vessel's position and receive the position data from the surrounding vessels in order to prevent collisions.

Features:

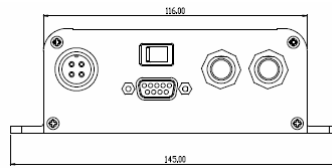
- Equipped with 2-channel AIS transceiver
- Embedded with GPS receiver
- Enabled with GPS antenna
- Enabled with VHF antenna
- Equipped AIS GPS software
- DB-9 for connecting to PC
- On/Off power switch
- Silence button



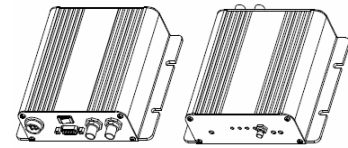
Drawing of AIS-700



Top View



Side View



3D View

Specification:

Specification	
Dimensions	140mm (L) x131.4mm (W) x 46mm (H)
Weight	550g
Battery Power	DC (9~30V)
Average power consumption	4W
Peak current rating	2A
GPS Receiver (AIS Internal)	IEC 61108-1 compliant
Electrical Interfaces	RS232 38.4kBaud bi-directional
	RS422 NMEA 38.4kBaud bi-directional
Connectors	Power 4 -pole Plug
	VHF Antenna connector BNC
	GPS Antenna connector TNC
	Interface RS232/RS422
VHF Transceiver	Transmitter x 1
	Receiver x 2
	Frequency: 161.50 to 162.025 MHz in 25 kHz steps
Output Power	33dBm ± 1.5 dBm
Channel Bandwidth	25kHz
Channel Step	25kHz
Bit rate	9600 b/s ± 50 ppm (GMSK)
RX Sensitivity	Sensitivity : - 107dBm 25kHz
Environmental	IEC 60945
	Operating Temperature: -25°C to +70°C
Compass Safe Distance	1 meter
Indicators	On, TX, RX, Status, TX timeout, Error, TX Off

(*PS: The specification is subject to change without prior notice)

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