

# [ Class B AIS ] CAMINO-101



## Features

- All-in-one AIS System with Built-in GPS Module.
- Graphical Display with 2 Viewing Modes: RADAR View and Alphanumeric View.
- Innovative Wireless Design and Built-in BLUETOOTH.
- Compatible with major AIS-ready Navigation Systems.
- Water proof connectors for extra water-proof shielding.
- Manual position reset: LON / LAT position
- Automatic vessel information display on all tracked ships.
- Dangerous obstacle warning when monitored objects are too close.
- Switchable transmitting: add-in function for harbor management authorities.

## specification

STANDARDS		POWER SUPPLY	
	IEC 62287-1 (2006)	Supply Voltage	12V DC (10V ~ 28V)
	IEC 61162-1 (2000)	Fuse	Over voltage fuse automatic resetting
	IEC 61162-2 (1998)	Power Consumption	Less than 10W
VHF RECEIVER		DISPLAY UNIT	
Frequency Range	156.025 MHz ~ 162.025 MHz	3 Indicator Lights on the Front Panel	1) Power / Status Indicator 2) Two Rx Operating Indicator
Channel Bandwidth	25 KHz	INTERFACE	
Number of AIS Receivers	2 Receiver (one time shared between AIS / DSC) / 1 Transmitter	Serial Port-1 (NMEA0183)	IEC 61162-1 / 61162-2 with Relay Alarm Output
CH-1	default CH 87B (161.975MHz)	Serial Port-2	RS-232C for PC
CH-2	default CH 88B (162.025MHz)	GPS Antenna (Optional)	Female TNC Connector
Number of DSC Receiver	1 (CH 70)	VHF Antenna (Optional)	Female Type M Connector (Type N Connector optional)
RX DSC	156.525 MHz	WIRELESS CONNECTION	
Max. Usable Sensitivity	PER ≤ 20% at -107dBm	Bluetooth	
VHF TRANSMITTER		BIIT ALARM SYSTEM	
Power Output	2 Watt (33dBm ± 1.5 dB)	BIIT Message on Display / Relay Alarm Output	
Modulation	GMSK / FM	ENVIRONMENT	
Data Rate	9600 bps / per channel	Operating Temperature	Antenna: -25°C~70°C Others: -15°C~55°C
Modulation Spectrum	IEC 62287	Storage Temperature	-25°C~70°C
DSC RECEIVER		Humidity	Operating: 0~95RH at 40°C GPS Antenna operating: 100% Hermetically sealed VHF Antenna operating: 100% Hermetically sealed
Modulation	1300 Hz / 2100 Hz FSK	Vibration	IEC 60945
Data Rate	1200 bps ± 30 ppm	Waterproof	IPX5
Spurious Response Rejection	≥ 70 dB for signal@-104 dBm; BER ≤ 1 %	PHYSICAL	
Blocking	≥ 84 dB for signal@-104 dBm; BER ≤ 1 %	Size in mm (w)	103 mm (140mm with mounting)
GPS RECEIVER		Size in mm (h)	50 mm
Receiving Channels	12 channels	Size in mm (d)	200 mm
Acquisition Sensitivity	-140 dBm	Weight	< 1 kg
Tracking Sensitivity	-150 dBm		
Position Accuracy	< 2.5m CEP (GPS) without SA		
Output Rate	1 Hz		