

[Class B AIS] CAMINO-201



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.
- A user-friendly 5.7" color STN display.
- Manual position reset: LON / LAT position
- Automatic vessel information display on all tracked ships.
- Simplified Chinese user interface.
- Dangerous obstacle warning when monitored objects are too close.
- Switchable transmitting: add-in function for harbor management authorities.

specification

STANDARDS		DISPLAY UNIT	
	IEC 62287-1 (2006)	Screen Size	5.7" Color LCD
	IEC 61162-1 (2000)	Pixel Number (Resolution)	320 × 240
	IEC 61162-2 (1998)	Dimmer Control	Stepless Setting
VHF RECEIVER		3 Indicator Lights	1) Power / Status Indicator
Frequency Range	156.025 MHz ~ 162.025 MHz	on the Front Panel	2) Two Rx Operating Indicator
Channel Bandwidth	25 KHz	10 Keypads with Back-light	1) SRM 4) Menu
Number of AIS Receivers	2 Receiver (one time shared between AIS / DSC) / 1 Transmitter		2) Dimmer 5) ESC
CH-1	default CH 87B (161.975MHz)		3) Display 6) ~10) Arrow Keys
CH-2	default CH 88B (162.025MHz)	INTERFACE	
Number of DSC Receiver	1 (CH 70)	Serial Port-1 (NMEA0183)	IEC 61162-1 / 61162-2 with Relay Alarm Output
RX DSC	156.525 MHz	Serial Port-2	RS-232C for PC
Max. Usable Sensitivity	PER ≤ 20% @ -107dBm	GPS Antenna (Optional)	Female TNC Connector
VHF TRANSMITTER		VHF Antenna (Optional)	Female Type M Connector (Type N Connector optional)
Power Output	2 Watt (33dBm ± 1.5 dB)	WIRELESS CONNECTION	
Modulation	GMSK / FM	Bluetooth	
Data Rate	9600 bps / per channel	BIIT ALARM SYSTEM	
Modulation Spectrum	IEC 62287	BIIT Message on Display / Relay Alarm Output	
DSC RECEIVER		ENVIRONMENT	
Modulation	1300 Hz / 2100 Hz FSK	Operating Temperature	Antenna: -25°C~70°C Others: -15°C~55°C
Data Rate	1200 bps ± 30 ppm	Storage Temperature	-25°C~70°C
Spurious Response Rejection	≥ 70 dB for signal @ -104 dBm; BER ≤ 1 %	Humidity	Operating: 0~95RH at 40°C GPS Antenna operating: 100% Hermetically sealed VHF Antenna operating: 100% Hermetically sealed
Blocking	≥ 84 dB for signal @ -104 dBm; BER ≤ 1 %	Vibration	IEC 60945
GPS RECEIVER		Waterproof	IPX5
Receiving Channels	12 channels	PHYSICAL	
Acquisition Sensitivity	-140 dBm	Size in mm (w)	261 mm
Tracking Sensitivity	-150 dBm	Size in mm (h)	184 mm
Position Accuracy	< 2.5m CEP (GPS) without SA	Size in mm (d)	102 mm
Output Rate	1 Hz	Weight	≤ 2.5 kg
POWER SUPPLY			
Supply Voltage	12V DC (10V ~ 28V)		
Fuse	Over voltage fuse automatic resetting		
Power Consumption	Less than 10W		