



*Clear View,  
Full Control.*

## CAMINO-201

### Integrated AIS Transponder with Color Display -

Approved by the BSH/CE/FCC/USCG, the CAMINO-201 Class B AIS Transponder sets a new standard for features, quality, performance, and price. With integrated GPS receiver, integrated AIS transponder, and integrated full-color display, it delivers a versatile and high-quality AIS transponder in one easy-to-install package.

### Easy Installation -

Installation is easy with the CAMINO-201, simply connecting to antennas and power supply. No other devices are needed for its operation. It can work fully stand-alone. Yet it can also interface to external computer, chart plotter, or radar if necessary.

### User-friendly Menu & Keypad Operation -

The CAMINO-201 is designed with simple structured menu tree which is very user friendly. To traverse this menu tree, switching main pages with key-pad is easy and quick. Important own vessel information is always shown on the screen for easy reference.

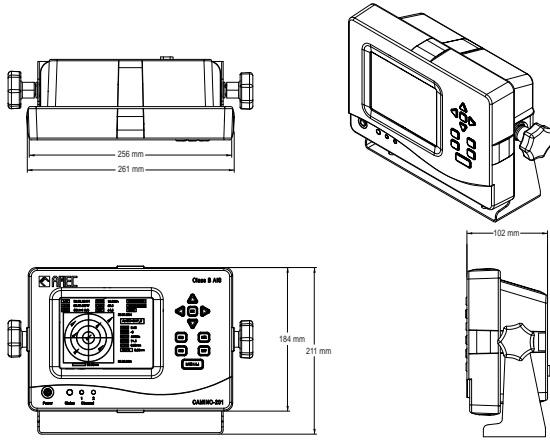
- ▶ Fully compliant with IEC 62287-1 standard
- ▶ Robust housing design, easy for installation
- ▶ Compatible with major AIS-ready navigation systems
- ▶ Innovative wireless design and optional built-in Bluetooth
- ▶ User-friendly 5.7" color TFT display with day / night mode
- ▶ Dangerous obstacle warning (CPA / TCPA)
- ▶ Graphical display with two viewing modes: Radar & Coastline View
- ▶ Friend ship tracking and night time navigating

### KEY FEATURES

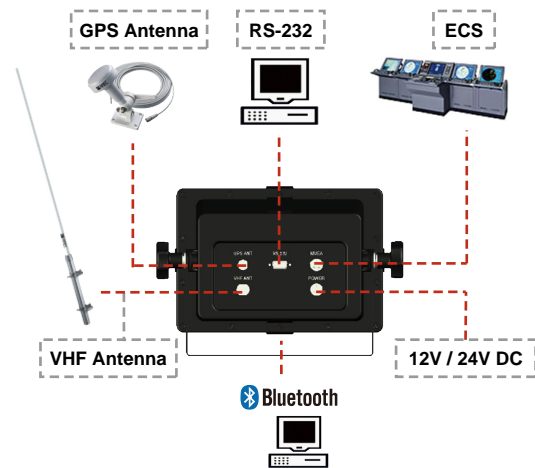
### APPLICATIONS

- ▶ Leisure Boat
- ▶ Fishing Boat
- ▶ Commercial Vessel
- ▶ Barge/Tug

## DIMENSIONS



## CONNECTION DIAGRAM



## SPECIFICATIONS

### ▶ APPLICABLE STANDARDS

IEC 62287-1 Ed. 2, 2010	IEC 61108-1 Ed. 1, 2003
IEC 61162-1 Ed. 3, 2007	IEC 60945 Ed. 4, 2002
IEC 61162-2 Ed. 1, 1998	ITU-R M.1371-4, 2010

### ▶ VHF TRANSCEIVER

Frequency Range	156.025 MHz ~ 162.025 MHz
Channel Bandwidth	25 KHz
Modulation	GMSK / FM
Data Rate	9,600 bps
Number of AIS Transmitter	1
Number of AIS Receiver	2 (one time-shared between AIS and DSC)
Number of DSC Receiver	1 (time-shared between AIS and DSC)
AIS Channel 1	CH 87B (161.975 MHz)
AIS Channel 2	CH 88B (162.025 MHz)
Tx Power Output	2 Watt (33 dBm ± 1.5 dB)
Rx Sensitivity	< -107 dBm @ 20% PER
Rx Message Format	AIS Class A & B messages

### ▶ DSC RECEIVER

Modulation	1,300 Hz / 2,100 Hz FSK
Data Rate	1,200 bps ± 30 ppm
Spurious Response Rejection	≥ 70 dB for signal @ -104 dBm; BER ≤ 1 %
Blocking	≥ 84 dB for signal @ -104 dBm; BER ≤ 1 %

### ▶ GPS RECEIVER (integrated)

Receiving Channels	48 channels
Accuracy	IEC 61108-1 compliant
Output Rate	1 Hz

### ▶ POWER SUPPLY

Supply Voltage	12V / 24V DC
Power Consumption	Less than 9W average @ 12V DC

Note: Specifications are subject to change without prior notice.

### ▶ LED INDICATION

Status LED (tri-color)	System OK, Silent mode, Tx timeout, Error, BIIT alarm
Channel 1 LED (dual-color)	Transmitting / receiving AIS data
Channel 2 LED (dual-color)	Transmitting / receiving AIS data

### ▶ LCD DISPLAY

Screen Size	5.7" color TFT
Pixel Number (Resolution)	640 x 480
Dimmer Control	Step-less Setting
Viewing Mode	Basic coastline chart and/or alphanumeric views

### ▶ KEYPAD

10 Keypads with Back-light	1 for SRM, 1 for Menu, 1 for Dimmer, 1 for ESC, 1 for Display, 1 for Enter, 4 for Arrow Keys
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### ▶ CONNECTION INTERFACE

GPS Antenna Connector	TNC (Female)
VHF Antenna Connector	PL-259 (Female)
NMEA 0183 (RS-422)	Baud rate 38,400 (default), programmable
RS-232	Baud rate 115,200 (default), programmable
Alarm Output	Relay contact
Wireless Connection	Bluetooth (optional)

### ▶ ENVIRONMENTAL

Operating Conditions	IEC 60945 "protected" category
Operating Temperature	-15°C ~ 55°C
Operating Humidity	95% RH at 40°C
Waterproof	IPX5

### ▶ PHYSICAL

Width	261 mm (10.28 inch)
Height	184 mm (7.25 inch)
Depth (include connectors)	102 mm (4.02 inch)
Weight	≤ 2.5 kg



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Distributor/Dealer