

*To Explore,
and Be in Control!*



CAMINO-101

High Performance, High Quality -

Approved by the BSH/CE/FCC/USCG, the AMEC CAMINO-101 Class B AIS Transponder, sets a new standard for quality, performance, and value. It delivers a versatile and high-quality AIS transponder solution that integrates easily with existing systems. It is an excellent choice for both recreational and professional use.

Water Resistant, Robust Casing -

Rugged hard-anodized aluminum case with sealed connectors and front- and back-gaskets for water resistance to ensure a longer lifetime in harsh marine environments.

Bluetooth Wireless Communication -

Optional Bluetooth enabled version for wireless communication to Bluetooth devices that displays AIS data. Excellent Windows-based AMEC AIS Viewer program with Chart & Alphanumeric views at no extra charge.

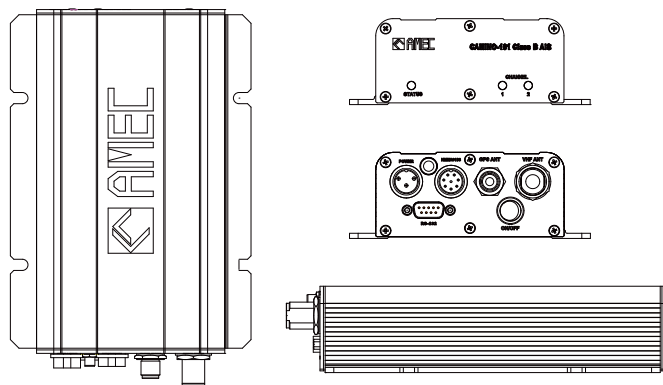
- ▶ Fully compliant with IEC 62287-1 standard
- ▶ Receives both Class A & Class B AIS messages
- ▶ Compatible with major AIS-ready Navigation Systems
- ▶ Robust housing design, easy for installation
- ▶ Greatly improves the level of the situational awareness in bad weather, poor visible conditions, and congested waterways
- ▶ Innovative wireless design and optional built-in Bluetooth
- ▶ Friendly AIS Viewer software for PC: Graphical display with two viewing modes: chart and alphanumeric views
- ▶ Can use external GPS data source from other navigational devices through NMEA0183 input

KEY FEATURES

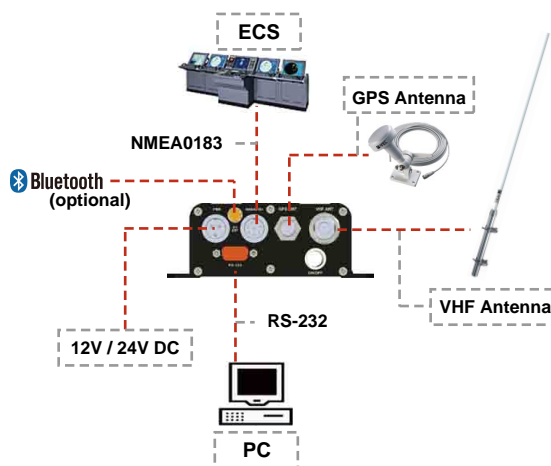
ORDERING INFO.

CAMINO-101:	Silent mode configurable by PC software
CAMINO-101A:	Silent mode configurable by PC software, switchable by optional Tx-Off Switch Box
CAMINO-101W:	With Bluetooth, silent mode configurable by PC software, switchable by optional Tx-Off Switch Box

► 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 4W average @ 12V DC

LED INDICATION

Power LED (tri-color)	Device normal, Silent mode, Power error, System failure, BIIT alarm
CHANNEL 1 LED (dual-color)	AIS signal transmit / receive
CHANNEL 2 LED (dual-color)	AIS signal transmit / receive

CONNECTION INTERFACE

GPS Antenna Connector	TNC (Female)
VHF Antenna Connector	PL-259 (Female)
NMEA 0183 (RS-422)	IEC 61162-1 / IEC 61162-2, Baud rate 38,400 (default), programmable, Input/output at same baud rate
RS-232	Baud rate 38,400 (default), programmable
Silent Mode Switch Input	Via Tx-Off Switch Box (Optional)
Alarm Output	Relay contact
Wireless Connection	Bluetooth (optional)

ENVIRONMENTAL

Operating Conditions	IEC 60945 "protected" category
Operating Temperature	-15°C ~ 55°C
Waterproof	IPX5

PHYSICAL

Width	140 mm (5.51 inch)
Height	50 mm (1.97 inch)
Depth	200 mm (7.87 inch) (exclude connector)
Weight	870 g

SOFTWARE TOOL

AMEC AIS Configuration	PC configuration utility
AMEC AIS Viewer	AIS Viewer for PC

Note: Specifications are subject to change without prior notice.



Alltek Marine Electronics Corporation

7F, No. 605, Ruei Guang Rd., Neihu, Taipei, Taiwan. 114

Tel: +886-2-2627-1599 Fax: +886-2-2627-1600

www.alltekmarine.com

The AIS Specialists

Sales Contact

For more information, please contact your local representative or Alltek Marine at

sales@alltekmarine.com

Distributor/Dealer