

*Competitive Contender
in the Class!*



CAMINO-701

Ultra Robust with Sophisticated AIS Class A -

AMEC CAMINO-701 is a newly design AIS Class A Transponder with color LCD display. The CAMINO-701 has not only robust housing design for maritime environment but also sophisticated technology design for easy installation. As so far, CAMINO-701 is the smallest size of AIS Class A in the world.

Dual IMO and Inland AIS Class A Mode -

AMEC CAMINO-701 can fully comply with IMO AIS Class A requirement as well as Inland AIS Class A requirement. The Dual mode can allow vessels to move from the sea to river with no safety and regulation worries.

User-friendly Operation -

CAMINO-701 provides Radar View and Coastal View by user's selection. Besides, the direct control buttons, Menu, ESC, Dim, SRM, Alarm-off and User-Define can help users to react effectively and efficiency in different maritime situations.

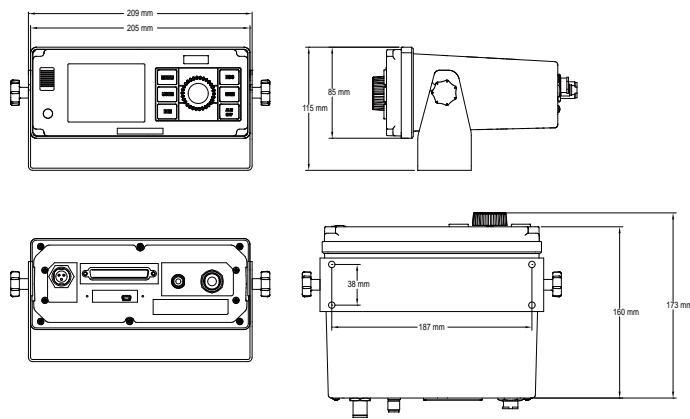
- ▶ Compact AIS Class A solution, easy to install and operate
- ▶ Fully compliant with IMO, IEC, and ITU international standards
- ▶ Color 3.5" LCD display with variant display modes
- ▶ User-friendly intuitive GUI & keypad operation
- ▶ Knob dial, click and push, for simple operation
- ▶ IMO/Inland AIS mode selectable (optional)
- ▶ Multiple sensor input ports and bi-directional data ports
- ▶ USB (device only) and NMEA2000 connectivity ready

KEY FEATURES

APPLICATIONS

- ▶ SOLAS Vessel
- ▶ Commercial Boat
- ▶ Professional Boat
- ▶ Fishing Boat

DIMENSIONS



SPECIFICATIONS

▶ APPLICABLE STANDARDS

IEC 61993-2 Ed. 2, 2012	IEC 60945 Ed. 4, 2002
IEC 61162-1 Ed. 4, 2010	IEC 61162-2 Ed. 1, 1998
IMO MSC.74 (69) Annex 3	ITU-R Recommendation M.1371-4
IMO Resolution A.694 (17): 1991	IEC 61108-1
IEC 62288	IEC 62388 Ed. 1.0
IMO Resolution A.851 (20): 1997	IMO Resolution MSC.43(64)
IMO Resolution MSC.74(69)	ITU-R Recommendation M.825-3
ITU-R Recommendation M.1084-4	ITU-T Recommendation O.153

▶ 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
Number of DSC Receiver	1
AIS Channel 1	CH 87B (161.975 MHz)
AIS Channel 2	CH 88B (162.025 MHz)
Tx Power Output	1/12.5 Watt (30/41 dBm ± 1.5 dB)
Rx Sensitivity	< -107 dBm @ 20% PER

▶ DSC RECEIVER

Frequency	156.525 MHz
Modulation	FSK
Channel Bandwidth	25K
Sensitivity	< -107 dBm @ BER < 10
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	50 channels
Tracking & Navigation Sensitivity	≥ -159 dBm
Reacquisition Sensitivity	≥ -159 dBm
Horizontal Position	< 2.5 m Autonomous < 2.0 m SBAS
Receiver Type	SBAS: WAAS, EGNOS, MSAS, GAGAN

▶ POWER SUPPLY

Supply Voltage	12V / 24V DC
Power Consumption	Less than 9W average @ 12V DC; Less than 65W peak power @ 12V DC

▶ LCD DISPLAY

Screen Size	3.5" color TFT
Pixel Number (Resolution)	320 x 240
Viewing Mode	Basic coastline map/ Radar View / Alphanumeric views / Satellite View
Dimmer Control	Step-less setting

▶ KEYPAD & ROTARY SWITCH

6 Keypads with Back-light	1 for SRM, 1 for Menu, 1 for Dimmer, 1 for ESC, 1 for Display, 1 for Nav. Status
Rotary Switch	Multi-Function

▶ CONNECTION INTERFACE

GPS Antenna Connector	TNC (Female)
VHF Antenna Connector	SO-239 (Female)
Sensor Interfaces 1 to 3	IEC 61162-1 or -2
Pilot / Auxiliary	IEC 61162-2
External Display	IEC 61162-2
Long-range	IEC 61162-2
DGNSS Correction Input	RTCM-SC-104
Alarm relay	Normally closed
USB	Mini type B USB interface
NMEA2000	IEC61162-3
Alarm Output	Relay contact

▶ ENVIRONMENTAL

Operating Conditions	IEC 60945 "protected" category
Operating Temperature	-15°C ~ 55°C
Operating Humidity	95% RH at 40°C
Waterproof	IPX2

▶ PHYSICAL

Transponder unit with MKD

Width	205 mm
Height	85 mm
Depth	173 mm (excluding connector)
Weight	1.2Kg

Junction Box unit

Length	166 mm
Width	86 mm
Height	57 mm (excluding connector)
Weight	300 g

Note: Specifications are subject to change without prior notice.



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The AIS Specialists

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