

[Class B AIS] CAMINO-101



FEATURES

- Fully compliant with IEC 62287-1 standard
- Receives both Class A and Class B AIS messages
- Compatible with major AIS-ready Navigation Systems
- Greatly improves the level of the situational awareness, even in bad weather, worse vision or congested waterways
- Robust housing design, easy for installation
- Innovative wireless design and optional built-in Bluetooth
- Friendly AIS Viewer software for PC (Standard supply)
- Graphical display with two viewing modes: Radar & Alphanumeric View

Specifications

STANDARDS

IEC 62287-1 (2006)
IEC 61162-1 (2000)
IEC 61162-2 (1998)

VHF RECEIVER

Frequency Range 156.025 MHz ~ 162.025 MHz
Channel Bandwidth 25 KHz
Number of AIS Receivers 2 Receiver (one time shared between AIS and DSC)
CH-1 Default CH 87B (161.975 MHz)
CH-2 Default CH 88B (162.025 MHz)
Number of DSC Receiver 1
RX DSC CH 70 (156.525 MHz)
Sensitivity PER \leq 20% at -107dBm

VHF TRANSMITTER

Number of AIS Transmitters 1
Power Output 2 Watt (33 dBm \pm 1.5 dB)
Modulation GMSK / FM
Data Rate 9,600 bps
Transmission Spectrum IEC 62287

DSC RECEIVER

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

GPS RECEIVER

Receiving Channels 12 channels
Accuracy Compliant with IEC 61108-1
Output Rate 1 Hz

POWER SUPPLY

Supply Voltage 12V / 24V DC
Power Consumption Less than 7W

LED INDICATION

3 LED Indicators 1 Power, 2 Channel Indicators

INTERFACE

GPS Antenna (Optional) TNC (Female)
VHF Antenna (Optional) PL-259 (Female)
NMEA0183 IEC 61162-1 / 61162-2, Default Buad rate 38,400, Programmable
RS-232 Default Buad rate 115,200, Programmable
Alarm Output Relay

WIRELESS CONNECTION

Bluetooth (Optional)

ALARM SYSTEM

BIIT alarm message on indicators
Realy alarm output

ENVIRONMENT

Operating Temperature -15°C~55°C
Storage Temperature -25°C~70°C
Operating Humidity 95% RH at 40°C
Vibration, EMI, ESD IEC 60945
Waterproof IPX5

PHYSICAL

Size in mm (w) 140 mm
Size in mm (h) 50 mm
Size in mm (d) 220 mm (with connector)
Weight 870 g