

Class B AIS

AIS-50N/AIS-50B



 **SAMYUNG ENC Co., Ltd.**



AIS-50N

Class B AIS Chartplotter

- Preloaded digital worldwide cartography
- NAVIONICS® GOLD SD card
- Real time display of navigation information
- Updated electronic chart available
- Built-in map with range rings and 12 zoom ranges from 0.01 to 32 nm
- Cursor ID mode allows easy readout of target vessel

- **Fully Waterproof**
- **DGPS(WAAS, MSAS, EGNOS)**
- **Sunlight Viewable Screen**



Features	AIS-50N
Size	164 mm(H) x 183 mm(W) x 91 mm(D)
Display	5.6" diagonal, TFT color, 480 x 640 pixels
Supply voltage	10 to 34 V DC
Supply current	13.8 V, 0.9A min - no backlighting, 2A max - full backlighting.
Operating temp.	-10° to 50°C
Alarms	Arrival radius, anchor, XTE, danger, too shallow, too deep, fish, temperature, temperature rate, low battery, low fuel(optional), loss of DGPS fix, radar guard zone, dangerous AIS vessels.
Chart card	NAVIONICS® GOLD
User card	SD Card
Waypoints	Up to 5000, with default or userdefined alphanumeric names up to eight characters.
Routes	100 Routes, with up to 100 points each
Tracks	By time or distance, 10 track of 5000 points
Chart datums	216 Chart datums (see next page) One user-defined map shift.
Chart scale	0.2 to 500 nm for chart (chart dependent) down to 0.01 nm in plotter mode.
NMEA	NMEA 0183 4800, 9600, 38400 baud NMEA 2000



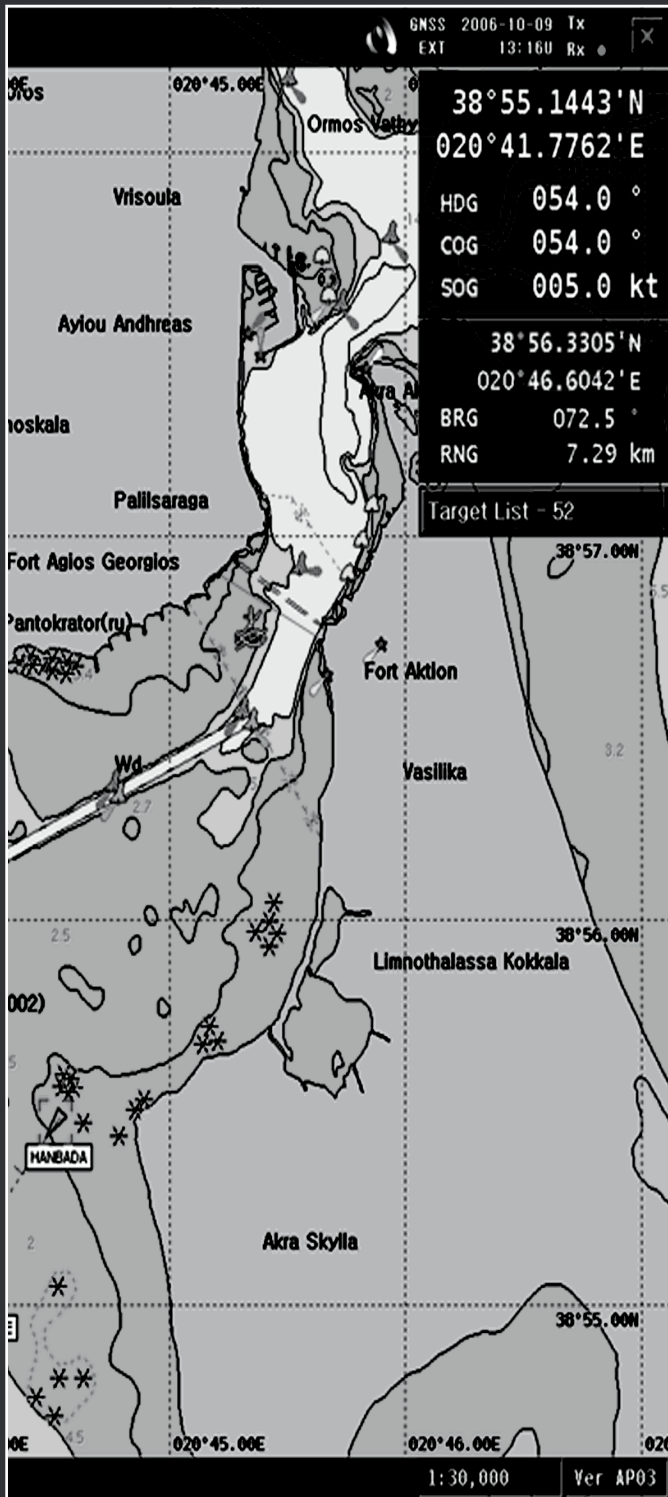
AIS-50B

Class B AIS Transponder

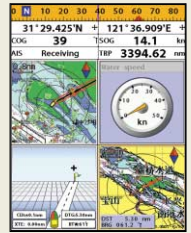
- Transfer data via AIS channel 87B(161.975MHz)&88B(162.025MHz)
- Dual baud rate 4800 or 38400
- RS-232,422 Input/Output Port
- Simple connection through RS-232, 422
- LED display for easy status check-up
- Enable to transceive SRM(Safety Related Message)



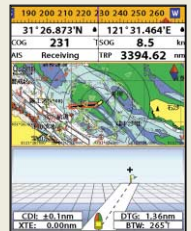
Features	AIS-50B
Frequency	156.025MHz ~ 162.025MHz
	Default channel 88B, AIS(162.025MHz)
	Default channel 87B, AIS(161.975MHz)
Channel spacing	25kHz
VHF ANT connector	TNC
GPS ANT connector	BNC
Antenna impedance	50Ω
Frequency Stability rate	±10PPM(-20℃ ~ +60℃)
Data rate	9600 bps
Power supply	DC 12V~34V (DC 12V, 1.2A Max.)
Operation temp.	-15℃ ~ +55℃
Output power	2W(33dBm ± 1.5dB)
Modulation	GMSK
Sensitivity	-107dBm
Adjacent channel	70dB
Co-channel	10dB
IMD	65dB
Blocking	84dB



AIS-50N Class B AIS Chartplotter

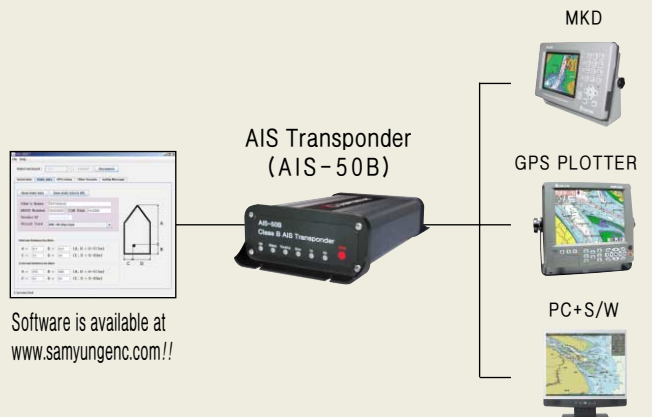


• View and print saved data on SD card



- All NAVIONICS® GOLD features on high resolution LCD.
- Display multiple functions on split screen

AIS-50B Class B AIS Transponder



SAMYUNG ENC

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