

## RAYMARINE AIS. RECEIVERS AND TRANSCIVERS... SEE AND BE SEEN!

AIS (Automatic identification System) systems enable the wireless exchange of navigation status between vessels and shore-side traffic monitoring centres. Commercial ships, ocean-going vessels and recreational boats equipped with AIS transceivers broadcast AIS messages that include the vessel's name, course, speed and current navigation status.



*AIS Targets overlaid on radar screen (left) and on chart (right)*

### Receive-only AIS

- Inexpensive and low-powered
- These systems only receive information from other vessels (whether transmitting using Class A or Class B)
- Information about the vessel on which they are installed is not transmitted

### Class A AIS

- Required for IMO/SOLAS commercial vessels
- Class A transmits and receives the full set of AIS information

### Class B AIS

- For small commercial vessels and pleasure vessels that do not need to comply with IMO/SOLAS regulations
- Transmits shortened/simplified AIS information at a slightly less frequent rate than Class A
- Provides less AIS functionality than Class A
- Uses lower transmission power

*eSeries display with AIS overlaid on chart/radar screen (left)*



**AIS350 Receiver Only (Class B)**

- Dual-channel receive-only
- For small vessels wanting increased situational awareness, but without the need for Class B transmitting capability
- Low cost alternative brings AIS safety advantages to a wider range of vessels

**AIS650 Transceiver (Class B)**

- Send your boat's data to AIS equipped vessels
- Receive and see data on Raymarine MFD radar and/or chartplotter screens
- Engineered for high performance and seamless integration with Raymarine navigation systems

AIS Target Info: THE DIEGO			
Position	26°05'.606N 080°07'.097W	COG	000°T
Heading	101°T	SOG	0.0kt
ROT	+000°/min S	CPA	0.401nm
MMSI	222990055	TCPA	00h23m55s
Call sign	SYCB	Last seen	10/30/2016
IMO No	5204484		10:52:53AM
Length	608ft	Dest	PORT EVERGLDES
Beam	103ft	ETA	10/30
Draught	38.1ft	Status	Moored
		Vessel	Tanker



AIS Target List			
No.	Name/MMSI	Rng	Brg
7	235013829	1.585nm	134.5°S
8	235007472	2.065nm	119.9°S
9	235899935	2.642nm	38.8°S
10	PILOT V/L HAMPSHIRE	3.683nm	122.9°S
11	440079000	4.216nm	131.6°S
12	THORAX	4.457nm	157.9°P

  

MMSI	235014661	Position	50°45'.515N
Last seen	03/14/2007		001°05'.433W
	04:10:23PM	Heading	---°T
Vessel	Pilot Vessel	ROT	---°/min

**AIS950 Transceiver (Class A)**

- Combined receiver and transmitter
- Approved for deep sea and inland waterway (royalty costs apply) standards with intuitive user interface
- Fully compliant Class A AIS product
- Advanced radio communications technology
- Easy access to all information
- Large, high visibility mono LCD

**Marine Video Cameras**



**CAM100**

- Transforms Raymarine MFDs into onboard video observation systems
- Automatic switching between true color (Day) and black & white (night)
- Clear focus at night with Anti-IR focus distortion technology built-in
- Ideal for monitoring blind spots, decks, engine room, and cabins
- Composite video output



**CAM50**

- Ideal camera for interior installations
- Dome design is ideal for mounting in the salon, wheel house or engine room
- Plug-and-play with Raymarine MFDs
- Ceiling or wall mount
- Manually adjustable pan and tilt
- Composite video output