

# Raymarine AIS950 Class A - Technical Specifications

## AIS Function

Type: Class A AIS transceiver (Transmit + Receive)  
Compliance: SOLAS / IEC 61993-2 / IMO Class A standards  
Frequency band: 156.025 – 162.025 MHz (VHF marine band)  
Transmission: High-power Class A (~12.5 W typical AIS output)

## Electrical

Supply voltage: 10.8 – 31.2 V DC  
Nominal: 12V / 24V compatible  
Power consumption: < 12 W average  
Current draw: ~0.9A @12V, ~0.5A @24V, peaks ~4A

## Receiver / Transmitter

1 × AIS Class A transmitter  
2 × TDMA AIS receivers  
1 × DSC Channel 70 receiver  
Internal GNSS receiver (IEC 61108-1 compliant)

## Display & Interface

240 × 128 monochrome LCD  
Rotary encoder + soft keys  
NMEA 0183 / IEC 61162-1 / 61162-2 / RS232

## Connectivity

VHF antenna: SO-239  
GPS antenna: TNC female  
Multiple marine navigation interfaces

## Physical

Size: 210 × 105 × 138 mm  
Weight: ~1.5 kg  
IP52 protection  
Operating temp: -15°C to +55°C