



# SevenStar Electronics

- The **SeaViewer™ S.277 Dual AIS/GPS Receiver** from SevenStar works with chart plotters and charting software for laptops and PDAs, and shows 'contacts' and their ID and course on the plotter display. **You can see who else is within your vicinity, even if they are behind another object!** (Headland, island, ship...)
- The **SeaViewer™** receives AIS data on **both AIS channels SIMULTANEOUSLY** utilising 2 totally independent, synthesised VHF receivers and highly sophisticated digital signal processing. (*Cheaper- and some dearer - receivers only monitor one channel at a time – you can miss data altogether or at best take twice as long to receive it!*)
- **Only one connection needed for the AIS and GPS position data!**
- Also lets you see **AIS nav aids** (AtoN's - **Aids to Navigation**)
- And **UNIQUELY**, if you decide you want to get the **full** benefits of AIS, we can upgrade your **SeaViewer™** receiver into a **fully approved Class B AIS Transponder!** *Your* position and ID will then be transmitted to everyone around you so you appear on *their* displays! (Contact distributor for details.)
- **AIS** has been mandatory for SOLAS commercial and passenger vessels worldwide since 2004, and both our **SeaViewer™** receiver and our **SeaTracer™** Class B AIS Transponder work *within this system*, bringing its wide-reaching benefits to the leisure and smaller commercial vessel market.
- When upgraded, the resulting Class B transponder is fully approved to IEC 62287-1, IEC 60945, ITU-RM.1371-1, IEC 61162-1, IEC 61108-1, ITU R M.493-9, ITU R M.825-3, and certified by BABT, BSH, USCG and FCC.
- Robust and resilient to the stresses of life at sea, both units are housed in an IP-65 rated aluminium enclosure with versatile mounting hardware, all protected with a heavy-duty powder-coat finish.



ISO 9001 Registered Firm



DOC.277/FL1/USA



Don't let this  
happen to you!

## APPLICATIONS of AIS include:

- Collision avoidance
- Awareness of your environment
- Track you friends & colleagues
- Port, harbour and marina management
- Coastal tracking systems
- Charter vessel monitoring
- Vessel & Homeland security
- Asset monitoring & management
- Anti-piracy, anti-smuggling

## SPECIFICATIONS

- Contains 2 independent, synthesised VHF receivers – monitors both AIS channels at all times
- Globally agreed frequency allocation – it works everywhere! 156.025 to 162.025KHz
- 25KHz channel spacing
- Contains an integral 16 channel DGPS receiver to IEC 61108-1, and accepts RTCM corrections
- Bit rate 9600b/s AIS, 1200b/s DSC
- Small size and robust waterproof design makes it suitable for RIBs to yachts to power cruisers and professional workboats – in fact anything!
- Standard NMEA/RS422 and RS232 connections
- 38.4kbaud bi-directional data ports
- Works with AIS-ready NMEA-compatible plotters and chart software on laptops, PDA's..
- +12v DC power, 0.33A typ.
- Environmental performance exceeds IEC 60945
- Water resistant to IP-65
- Sealed TNC connectors for VHF and GPS
- Versatile mounting options
- Robust aluminium casing is chemically treated to protect it from sea water, and is then further protected by a heavy-duty 'powder-coat' finish
- LED status indicators to speed installation
- Size: 180 x 110 x 40mm, Weight: only 900g.

### And if upgraded:

- YOU will be seen by the vessels around you, as well as you being able to see them!
- Additional VHF transmitter - 2W output power
- Fully meets IEC-62287-1 for **AIS Class B**
- Optional silent mode/safety message



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## SeaViewer™

### Upgradeable!

## Dual Channel AIS Receiver s.277



- Dual simultaneous AIS receivers
  - Integral 16 ch. DGPS receiver
- AND**

**Upgradeable to a full Class B  
Transponder!!!**

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SevenStar Electronics Ltd. is approved to  
BS EN ISO 9001:2000 and to EU MED  
'Wheelmark' Schedules B and D, and is a  
member of RTCM

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Get the AIS experience today  
– see what is happening  
around YOU - and when you  
have seen how good it is, with  
SevenStar you can upgrade to  
a full AIS Class B Transponder  
so THEY can also see YOU.