

i-VDE-BS4 VDES AIS Base Station



The i-VDE-BS4 VDES AIS Base Station from iMarine is a VDES-compliant base station that integrates AIS and ASM functionalities. The i-VDE-BS4 complies with the key international standards, including the VDES standard, AIS Base Station Standard IEC 62320-1, AtoN Standard IEC 62320-2, and AIS Repeater Standard IEC 62320-3.

As a core component of a Physical AIS Shore Station, as defined by IALA, the primary function of the i-VDE-BS4 VDES AIS Base Station is to facilitate data exchange with AIS/VDES-equipped vessels within its coverage area. It can be deployed as a stand-alone unit or integrated into a broader network.

LEADING FUNCTIONS

- ▶ Fully meets all AIS Base Station standards (IEC 62320-1)
- ▶ Aids to Navigation (AtoN) capabilities compliant with IEC 62320-2
- ▶ Integrated repeater functionality in accordance with IEC 62320-3
- ▶ Supports reception and transmission of all relevant AIS and ASM messages
- ▶ Simultaneous operation on AIS 1, AIS 2, ASM 1, ASM 2, VDE and optional Secure AIS
- ▶ High sensitivity, exceeding -115 dBm
- ▶ Software defined radio (SDR)
- ▶ Built-in Base Station Controller (BSC)
- ▶ Secure AIS support (optional) for encrypted communications