

Navigate Beyond the Horizons



MARINE Base station Receiver
SYSTEM



A to N, AIS, vessel Tracking data integration and process system

FEATURES

- Sensitivity better than -105 dBm
- Built-in storage capability of AIS raw data
- WEB interface for remote configuration and SW update
- AIS data filtering capabilities
- Can optionally be delivered with built-in IALA correction receiver
- Supporting NTP as client and server Available auxiliary equipment enabling functionality
- Separate or combined transmitting and receiving antennas
- Remotely controlled hard power reset of PSS equipment

Specification

INTERFACES

Communication ports Service and redundancy
RS-232
Message formats NMEA
Lan interface

RADIO MODULE

Sensitivity Better than -105 dBm
Bandwidth 25 kHz
Frequencies 156.025 to 162.025 MHz
Default Ch. 87B (161.975 MHz)
Default Ch. 88B (162.025 MHz)

GNSS MODULE

GNSS receivers 16 channels
GNSS antenna 5 V DC from Unit

POWER SPECIFICATIONS

Unit 12 to 24 V DC
Unit power consumption Average 9 W
Peak 39 W

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range

Unit -15 to +55 °C
GNSS antenna -30 to +70 °C
VHF antenna -55 to +70 °C

Humidity

Unit < 95 % relative, non-condensing
GNSS antenna 100 %, hermetically sealed
VHF antenna 100 %, hermetically sealed

STANDARDS AND REGULATIONS

Electrical EN 60950-1 Electromagnetic
Compatibility EN 60945/EN 61000-6-3/6-2
Electrical interface IEC 61162-1/2
IALA recommendation A-124
Base station operation IEC 62320-1
Radio IEC 61993-2 (clause 15)
ITU-R M. 1371-5

