

MF/HF RADIO

NHR-1500

- SDR (Software Defined Radio) technology
- Voice digitalized
- Large 7 inch color display
- Knob & touch screen operation
- Android system on NBDP terminal
- LAN network interface
- Data interface to BAM System/INS
- Marine communication handset
- Type approval with DNV (MED), CCS, RS and VR



ALARM UNIT



NBDP TERMINAL



CONTROL UNIT



TRANSCIVER



ANTENNA COUPLER

NHR-1500 MF/HF RADIO (GMDSS) is a high-performance MF/HF device, capable of voice communication and DSC (digital selective calling) facilities as well. Conforming to Class A standard set for MF/HF DSC by ITU and IMO regulation, NHR-1500 can be part of onboard GMDSS package for vessels of A2/A3/A4. NHR-1500 conforms to the regulations of ITU-R M.476-5, ITU-R M.492-6, ITU-R M.493-15, ITU-R M.541-10, IMO MSC.302 (87), IEC 61097-9, IEC 61097-3, IEC 60945, IEC 62923-1, IEC 62923-2 etc.



SPECIFICATIONS

- TX Frequency: 1605.0 ~ 27500.00 kHz
- RX Frequency: 300.0 ~ 29999.99 kHz
- Working Channel: 400+ channels
- Communication Mode: Simplex/Semi-duplex
- Emission Class: J3E, H3E, A1A, F1B
- TX Power: 150 W pep
- RX Sensitivity: $\leq 2.5 \mu\text{V}$ (1605.0~27500.0 kHz, J3E)
 $\leq 0.7 \mu\text{V}$ (1605.0~27500.0 kHz, F1B)
- DSC Frequencies: 2187.5, 4207.5, 6312.0, 8414.5, 12577.0, 16804.5 (kHz)
- Control Display: 7 inch color display, touch screen
- Interface: LAN, BAM/INS/GNSS (RS422)
- Antenna Impedance: 50 Ω
- Power Supply: DC 24 V
- Operating Temperature: -15° ~ 55°C (indoor parts)
-25° ~ 55°C (outdoor parts)
- IP Grade: IP22: Control Unit, Transceiver, Handset
IP66: Antenna Coupler

EQUIPMENT LIST

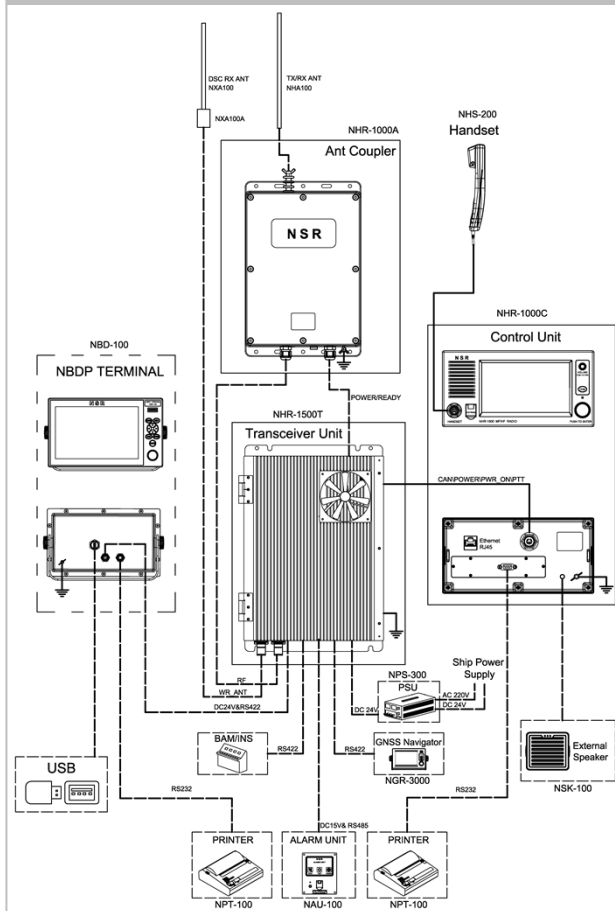
● STANDARD

- | | |
|-------------------------------|-------|
| - Transceiver / NHR-1500T | 1 pc |
| - Control Unit / NHR-1000C | 1 pc |
| - Antenna Coupler / NHR-1000A | 1 pc |
| - Handset / NHS-200 | 1 pc |
| - Cable & Accessories | 1 set |

● OPTIONS

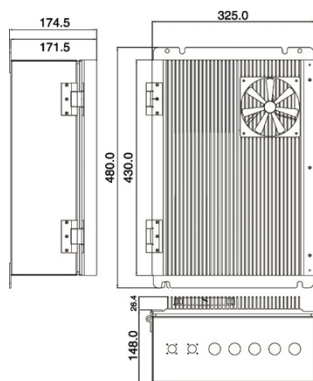
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|------------------------------------|-------|
| - Printer / NPT-100 | 1 pc |
| - NBDP Terminal / NBD-100 | 1 pc |
| - Alarm Unit / NAU-100 | 1 pc |
| - External Speaker / NSK-100 | 1 pc |
| - TX/RX Antenna / NHA100 | 1 pc |
| - DSC RX Antenna / NXA100, NXA100A | 1 set |
| - AC/DC PSU / NPS-300 | 1 pc |

SYSTEM DIAGRAM

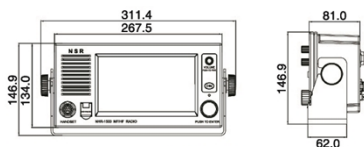


SIZE DIMENSION

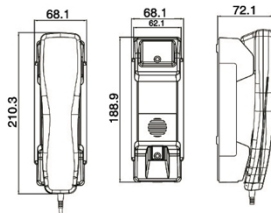
TRANSCIVER



CONTROL UNIT



HANDSET



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