

VHF RADIO (DSC Class A)

NVR-3000

NSR's new generation of VHF RADIO:

- Meet the latest ITU standards
- Large 7-inch color display with touch screen operation
- 4-digit channels available
- Dual-watch / Tri-watch function
- Audio interface to VDR & Data interface to BAM/INS
- Operational dual handsets/wing handsets/remote stations/Tug handset & Mic
- Replay function available
- ATIS function available
- User channel table configurable
- Type approval with DNV (MED) and CCS



- NVR-3000 VHF RADIO (GMDSS) is a high-performance VHF device, capable of voice communication and DSC (digital selective calling) facilities as well.
- Conforming to Class A standard set for VHF DSC by ITU and IMO regulation, NVR-3000 can be part of onboard GMDSS package for vessels of A1, A2, A3 and A4.
- Interfaces to VDR and BAM system/INS are available on NVR-3000.
- NVR-3000 conforms to the regulations of ITU-R M.493-15, IMO MSC.302 (87), IMO MSC.1/Circ.1460/Rev.5, IEC 61097-3, IEC 61097-7, IEC 62923-1, IEC 62923-2, IEC 61162-1 and IEC 62288 etc.



SPECIFICATIONS

- TX Frequency: 156.025 ~ 157.425 MHz
- RX Frequency: 156.050 ~ 163.275 MHz
- Working Channel: ITU
- DSC Watch CH: CH70
- TX Power: 25 W (high) / 1 W (low)
- RX Sensitivity: $\leq 2 \mu V$ (SINAD=20 dB)
- Display: 7-inch color LCD, touch screen operation
- Interface:
 - GNSS Input: RS422, 4800 bps
 - VDR Output: 600 Ω balanced
 - BAM/INS I/O: RS422, 4800 bps
 - Print I/O: RS232, 4800 bps
- Power Supply: DC 24 V (range 21.6 V ~ 31.2 V), max 4.5 A
- Size: 146.9 (H) $\times$ 311.4 (W) $\times$ 117 (D) mm (Transceiver)
- Weight: 3 kg (Transceiver)
- IP Grade: IP22: Transceiver, Handset; IP66: Antenna

EQUIPMENT LIST

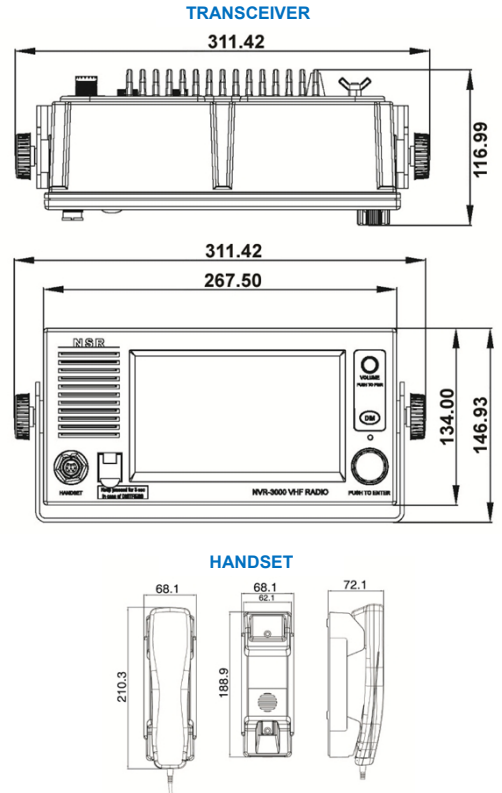
● STANDARD

- | | | |
|---------------|----------|-------|
| - Transceiver | NVR-3000 | 1 pc |
| - Handset | NHS-200 | 1 pc |
| - Accessories | | 1 set |

● OPTIONS

- | | | |
|-------------------------|--------------|-------|
| - AC/DC PSU | PS-10 | 1 pc |
| - Alarm Unit | NAU-100 | 1 pc |
| - External speaker | NSK-100 | 1 pc |
| - Additional Headset | NHS-200 | 1 pc |
| - Remote Station | NVR-3000R | 1 set |
| - Dual Handset Kit | | 1 set |
| - Wing Handset Kit | | 1 set |
| - Tug Handset & Mic Kit | NHS-206J/M/P | 1 set |
| - VHF Antenna | NVA100 | 2 pcs |
| - Sun Cover | NSC700B | 1 pc |
| - Flush Mount Bracket | | 1 pc |

SIZE DIMENSION



SYSTEM DIAGRAM

