

NSR's new generation of VHF RADIO:

- Meet the latest ITU standards
- Large 7 inch color display
- Knob & touch screen operation
- 4-digital channels available
- Audio interface to VDR
- Dual Handsets operational
- Data interface to BAM System /INS
- Replay function added
- 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 or A3.
- 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.4, IEC 61097-3, IEC 61097-7, IEC 62923-1, IEC 62923-2 and IEC 61162-1.



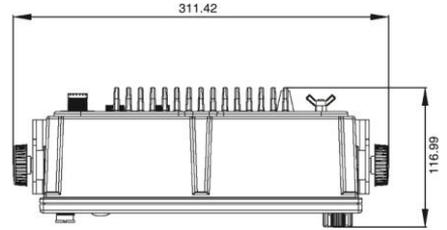
## SPECIFICATIONS

- 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:  $\leq 2 \mu\text{V}$  (SINAD=20 dB)
- Display: 7 inch color LCD, touch screen operation
- Interface:
  - GNSS Input: RS422, 4800 bps
  - VDR Output: 600  $\Omega$  balanced
  - BAM/INS I/O: RS422, 4800 bps
  - Print I/O: RS232, 4800 bps
- Power Supply: DC 24 V (max 4 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

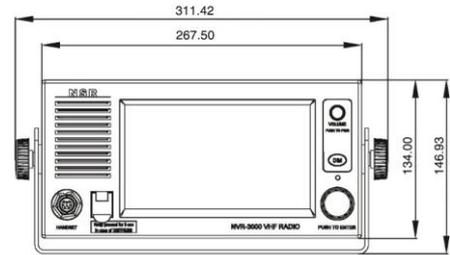
## EQUIPMENT LIST

- **STANDARD**
  - Transceiver 1 pc
  - Handset 1 pc
  - Accessories 1 set
- **OPTIONS**
  - AC/DC PSU 1 pc
  - Alarm Unit 1 pc
  - External speaker 1 pc
  - 2<sup>nd</sup> Handset (with junction boxes) 1 set
  - VHF Antenna 2 pcs
  - Flush Mount Bracket 1 pc

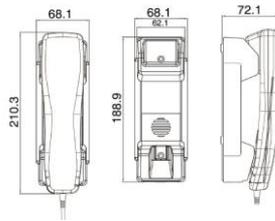
## SIZE DIMENSION



TRANSCIVER



HANDSET



## SYSTEM DIAGRAM

