

# VHF RADIO

**NVR-3000**

NSR's new generation of VHF RADIO:

- Meet the latest ITU standards
- Large 7" color display
- Knob & touch screen operation
- 4-digital channels available
- Audio interface to VDR
- Dual Handset operational
- Data interface to BAM System /INS
- Type approval with DNV (MED) and RS



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) [2010], IEC 61097-3: 2017, IEC 61097-7: 2018, IEC 62923-1: 2018, IEC 62923-2: 2018.



## 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  $\Omega$  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) × 311.4 (W) × 117 (D) mm
- Weight: 3 kg (Transceiver)
- IP Grade: IP22: Transceiver, Handset; IP66: Antenna

## EQUIPMENT LIST

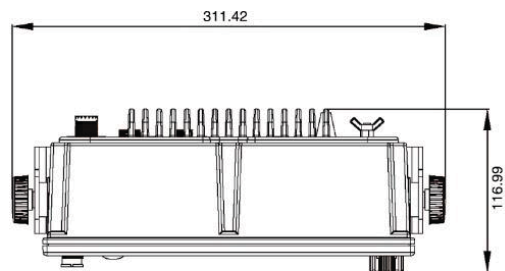
### ● STANDARD

- Transceiver 1 pc
- Handset 1 pc
- Accessories 1 set

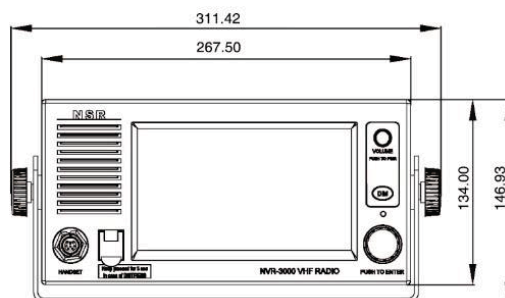
### ● OPTIONS

- 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 Brackets 1 set

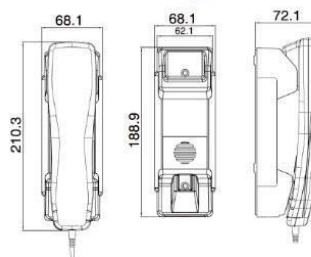
## SIZE DIMENSION



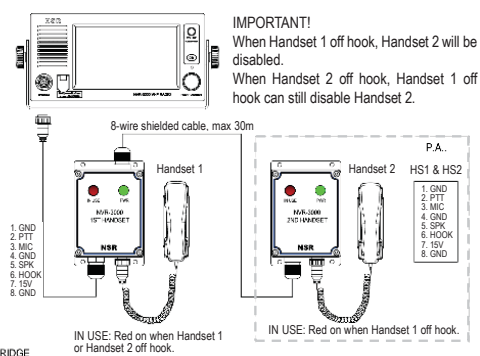
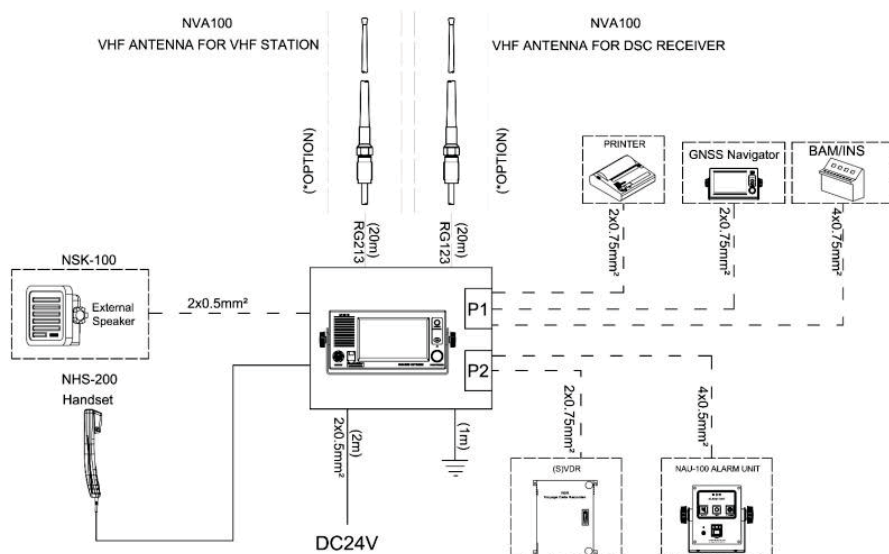
TRANSCIVER



HANDSET



## SYSTEM DIAGRAM



Two handsets connection  
(option)