

THD (GNSS Method) / GNSS

NGC-3000

- Determine the heading of a ship
- Highly accurate heading of 0.4° RMS
- Full GNSS with GPS, BDS, GLONASS, GALILEO
- Both THD (transmitting heading device) and GNSS
- Large LCD, 7-inch/color, touch screen operation
- Highly accurate SOG, COG, ROT and position
- Multi outputs of RS422
- Data interface to BAM/INS
- Up to five display modes available
- Compliant with IMO MSC.116 (73) for THD
- Maintenance-free design
- Type approval with DNV (MED) (for GNSS and THD) and CCS (for THD)



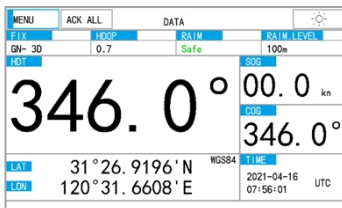
PROCESSOR UNIT



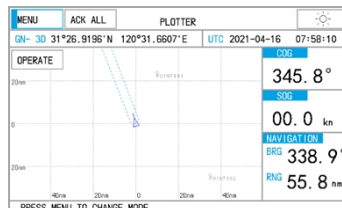
DISPLAY UNIT



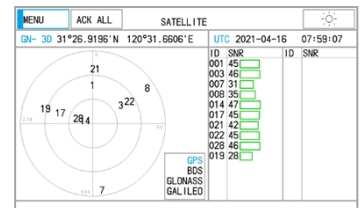
ANTENNA UNIT



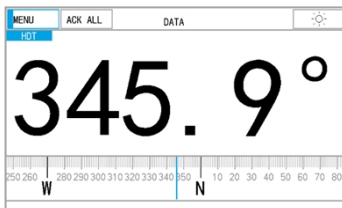
DATA (NAV DATA)



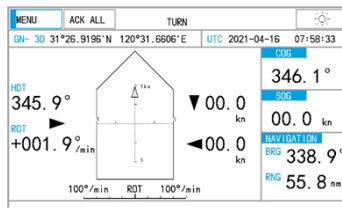
PLOTTER



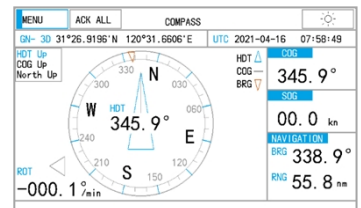
SATELLITE



DATA (HEADING)



TURN



COMPASS



SPECIFICATIONS

● GENERAL

- Heading Accuracy: 0.4° RMS
- Heading Resolution: 0.1°
- Tracking Rate of Turn: 45°/sec
- Tracking Acceleration: 1G
- Pitch/roll Angle: ±60°
- Receiving Frequencies: GPS L1/L2, BDS B1/B2, GLONASS L1/L2, GALILEO E1/E5b
- Position Accuracy: 1.5 m
- Speed Accuracy: 0.03 m/s
- Position Fixing Time: <30 s
- Data Output Rate: max 50 Hz

● DISPLAY

- Display System: 7 inch, color LCD, touch screen operation, 154 (W)×87 (H) mm
- Resolution: 800×480 dots
- Display Mode: DATA (Heading, NAV data), PLOTTER, TURN, COMPASS, SATELLITE

● INTERFACE

- Output Ports: 3 IEC-61162-1 Ed4, Ed5, NMEA 1.5, 2.0, 2.3
- Transmission Speed: 4800/9600/19200/38400 bps (selectable)
- BAM/INS In/Out: ACN, ALC, ALF, HBT
- Data Sentences: HDT, THS, ROT, HDG, HDM, HRC, HRM, RMC, VTG, ZDA, GLL, GGA, DTM, GNS, RTE, WPL, RMB, BOD, APB

● POWER SUPPLY:

DC 24 V (range 12~36 V), 500 mA

● DIMENSION:

174 (W)×81 (H)×160 (D) mm (Processor Unit)
 264 (W)×145 (H)×83 (D) mm (Display Unit)
 808.2 (W)×240.1 (H)×244.4 (D) mm (Antenna Unit)

● ENVIRONMENTAL CONDITION

- Temperature Range: -20°C~+55°C operating
 -30°C~+70°C storage (Antenna Unit)
- IP Grade: IP22 (Processor Unit & Display Unit)
 IP66 (Antenna Unit)

EQUIPMENT LIST

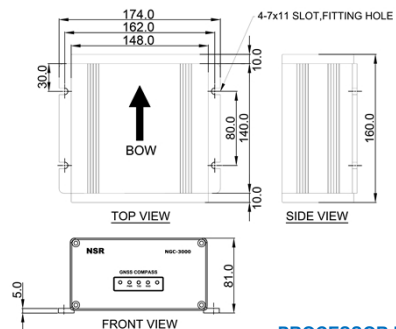
● STANDARD

- | | | |
|------------------|-----------|-------|
| - Processor Unit | NGC-3000P | 1 pc |
| - Display Unit | NGC-3000D | 1 pc |
| - Antenna Unit | NGC-3000A | 1 pc |
| - Accessories | | 1 set |

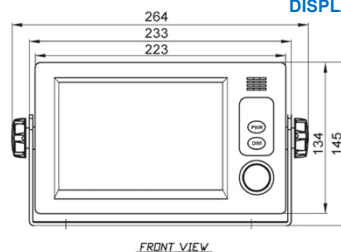
● OPTIONS

- | | | |
|--|--|------|
| - Flush Mount Bracket for Display Unit | | 1 pc |
|--|--|------|

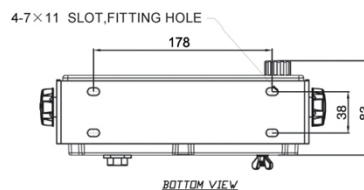
SIZE DIMENSION



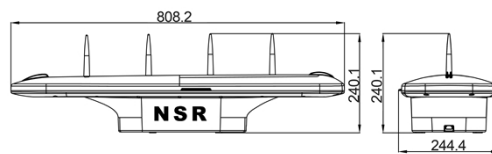
PROCESSOR UNIT



DISPLAY UNIT



ANTENNA UNIT



SYSTEM DIAGRAM

