



NSR's new products of Fiber Optic Gyrocompass:

- 4 models with heading accuracy up to $0.1^{\circ} \times \sec \phi$.
- Short settling time and flexible operating modes.
- Advanced optical technology and signal processing algorithms adopted.
- Highly accurate HDG.
- Large 7-inch color LCD.
- Touch screen operation.
- Data interface to BAM/INS.
- Multi-outputs of RS422.
- Maintenance-free design.
- Compliant with the standards of IMO A.424 (XI), IMO A.821 (19), IMO A.694 (17), ISO 8728:2024 and ISO 16328:2014.



EQUIPMENT LIST

● STANDARD

NGC-5010		NGC-5030		NGC-5050		NGC-5070	
Compass Unit (0.1°)	NGC-501	Compass Unit (0.3°)	NGC-503	Compass Unit (0.5°)	NGC-505	Compass Unit (0.7°)	NGC-507
Interface Unit	NGC-512	Interface Unit	NGC-512	Interface Unit	NGC-512	Interface Unit	NGC-512

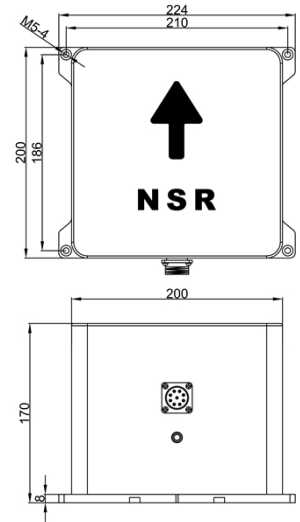
● OPTIONS

Display Unit	NGC-513	Remote Unit	NGC-514	ROT Indicator	NGC-516	Steering Repeater Compass	NGC-518
Bearing Repeater Compass	NGC-519	Azimuth Reading Device	NGC-519A	Thermal Printer	NPT-100	Flush Mount Bracket for NGC-513	NFB700A

SPECIFICATIONS

Settling Time	10 min
Settle point error	NGC-5010: $\leq 0.1^\circ \text{ sec } \phi$
	NGC-5030: $\leq 0.3^\circ \text{ sec } \phi$
	NGC-5050: $\leq 0.5^\circ \text{ sec } \phi$
	NGC-5070: $\leq 0.7^\circ \text{ sec } \phi$
Power Supply	AC 220V
Power Consumption	$\leq 55\text{W}$
Display	7-inch, color LCD, touch screen operation, Android O/S 154 (W) × 87 (H) mm, 1024 × 600 dots resolution
Interface	External Compass, Repeater, Heading Out, Sensor Input, Alarm System, BAM/INS, Printer, RJ45
Ambient Temperature	-20°C ~ +55°C operational
IP Grade	IP22 (Compass Unit, Interface Unit, Display Unit)

SIZE DIMENSION

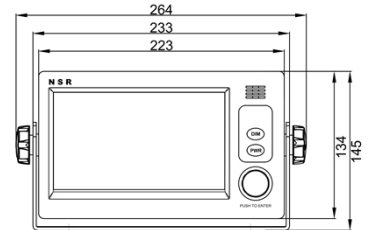
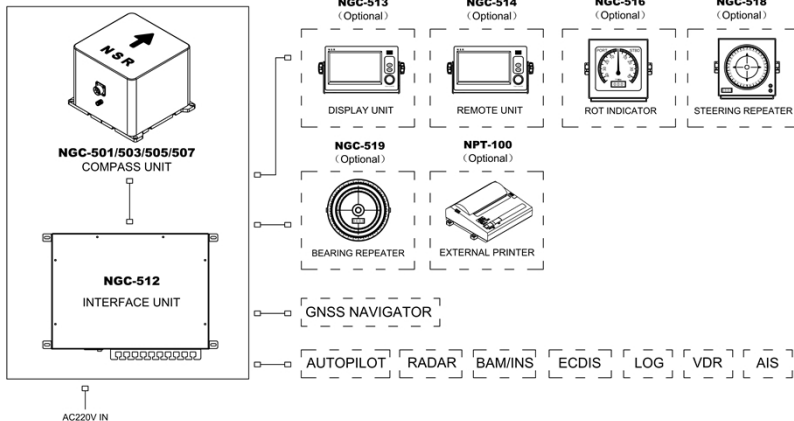


COMPASS UNIT

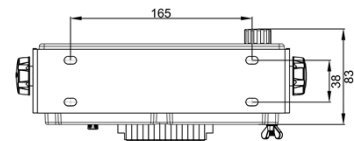
SYSTEM DIAGRAM

NGC-5010/5030/5050/5070

MARINE FIBER OPTIC GYRO-COMPASS



FRONT VIEW



BOTTOM VIEW

DISPLAY UNIT