GYRO COMPASS

NGC-5010/5030/5050/5070

NSR's new products of Fiber Optic Gyrocompass:

- GYRO + ROT，4 models available
- Short settling time and flexible operating modes
- Large 7-inch color LCD with touch screen operation
- Data interface to BAM/INS
- Maintenance-free design
- Suitable for HSC
- Dual compass available
- Type approval with DNV (MED) for both gyro compass and ROT indicator





- NGC-50X0 uses advanced optical technology and signal processing algorithms to determine the heading accurately.
- Lower power consumption，solid-state design.
- Multi outputs of RS422.
- Compliant with the standards of IMO A.424 (XI), IMO A.821 (19), IMO A.694 (17), IMO A.526 (13), ISO 8728:2024 and ISO 16328:2014, etc.



EQUIPMENT LIST

● **STANDARD**

NGC-5010		NGC-5030		NGC-5050		NGC-5070	
Compass Unit	NGC-501	Compass Unit	NGC-503	Compass Unit	NGC-505	Compass Unit	NGC-507
Interface Unit	NGC-512	Interface Unit	NGC-512	Interface Unit	NGC-512	Interface Unit	NGC-512
Display Unit	NGC-513	Display Unit	NGC-513	Display Unit	NGC-513	Display Unit	NGC-513

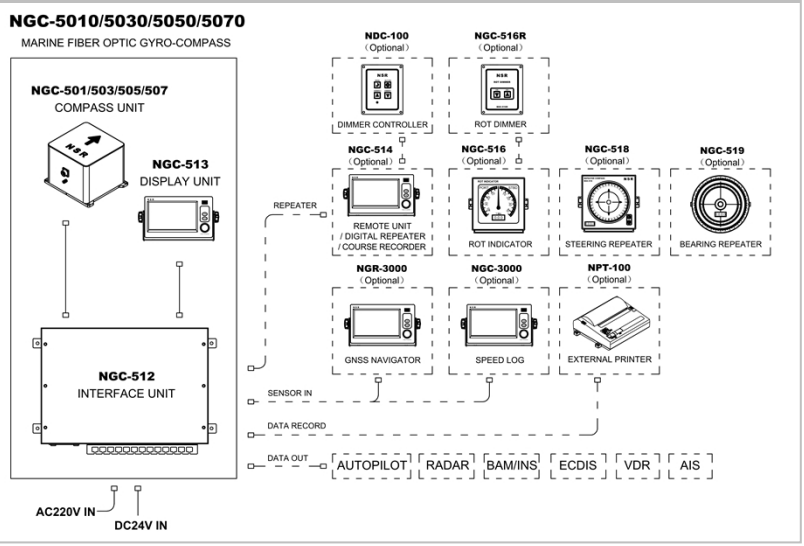
● **OPTIONS**

						Thermal Printer	NPT-100
Remote Unit / Digital Repeater	NGC-514	Dimmer Controller	NDC-100	ROT Indicator	NGC-516	ROT Dimmer	NGC-516R
Steering Repeater Compass	NGC-518	Bearing Repeater Compass	NGC-519	Junction Box	NGC-519J	Azimuth Reading Device	NGC-519A
Wall Mounting Bracket	NGC-519B	Floor-Standing Mounting Bracket	NGC-519S	Compass D/Step Converter	NGC-521	Compass D/Sync Converter	NGC-522

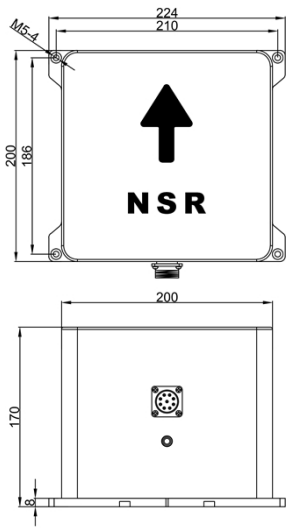
SPECIFICATIONS

Settling Time	10 min
Heading Accuracy	0.7° x secφ
Power Supply	AC 220V, DC 24V
Power Consumption	≤55W
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
Operating Temperature	-20°C ~ +55°C
IP Grade	IP56 (for NGC-519), IP22 (for other items)

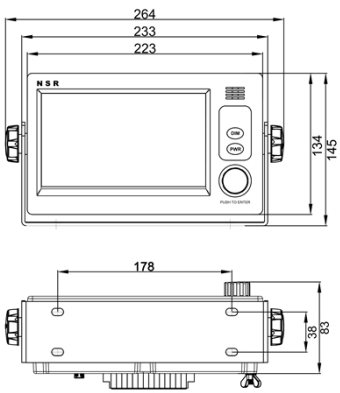
SYSTEM DIAGRAM



SIZE DIMENSION



COMPASS UNIT



DISPLAY UNIT

※ *Specifications subject to change without notice*