

NEMO110 TECHNICAL FEATURES

HULL

Size (w*h*d)	1180mm*630mm*340mm
Material	Kevlar + carbon fiber composite material
Weight	15kg
Standard displacement	25kg
Maximum displacement	30kg
Wind and wave resistance rating	Wind: 5 level Wave: sea state 3 level
Boat Type	M Type
Anti-settling design	Closed-cell foam filling and fully enclosed bulkhead anti-sink design
Camera	360° Panoramic camera
Navigation light	Two-color navigation lights

POWER

Battery life	6 hours at economy speed (1.5-2m/s)
Economy speed	1.5-2m/s
Max. speed	≥5m/s
Propeller motor type	Brushless DC motor
Propeller	Bypass propeller

NAVIGATION AND CONTROL

Navigation Mode	Manual mode/automatic mode/cruise control
Guided system	GPS/Beidou, RTK, or specified GNSS devices
Direction control	Differential steering
Lost protection	Automatic return when lost or low battery

COMMUNICATION

Communication mode	Dual communication (wireless point-to-point communication/network communication)
Communication distance	Bridge 3km/network communication long range
Hardware configuration	Support mainstream laptop/tablet Dedicated ground station (optional)
Base station operating system	Windows10 and better
Base station software	Support unmanned ship management, line management, status display, data management, log functions
Handheld remote control unit	(IP67) Waterproof and dustproof, digital HD map transmission, ultra-long link, ultra-long endurance

CARRYING DEVICE

Sensor	Single-beam echosounder Side-scan sonar ¹ ADCP ¹
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1. Available on request

DANE TECHNICZNE ECHOSONDY:

- Częstotliwość pingu: 200 kHz
- Szerokość wiązki: 5 °
- Zasięg działania: 0,4m - 100m
- Dokładność pomiaru: $\pm 1 \text{ cm} \pm 0,1\% \text{ D}$ (D = aktualna głębokość wody)
- Współczynnik rozdzielczości: 0,01 m
- Złącze komunikacyjne: RS-232
- Waga: $\leq 2\text{Kg}$