

TOP NOTCH DEEP-SEA EQUIPMENT



X04 ROV

Technical Specifications

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1. Technical Parameters

1.1 Robot System



Fig. 1: X04 Axonometric Drawing

Robot System	
Dimensions(L×W×H)	600mm×400mm×320mm
Weight	26.5kg
Power	2kW
Depth Rating	300m
Thruster	Four thrusters in total: 2 horizontal and 2 vertical. Each produces 3 kg thrust. It supports forward/backward travel, ascent/descent, heading rotation, depth keeping and heading keeping.
Maximum Still Water Speed	2Kn
Camera	1 HD fixed-focus lens on front PTU; 1 HD fixed-focus lens at rear.
Light	2 pcs 15W LED lights, stepless dimmable
Pan-tilt Unit (PTU)	2 single-axis PTU Upper front: pitch angle $\pm 75^\circ$, fitted with HD lens

	Lower front: pitch angle $\pm 45^\circ$, compatible with M750D sonar
Payload	Equipped with compass and depth gauge.

1.2 Deck Support Unit



Fig2: Deck Support Unit

Deck Support Unit	
Control Box	CPU: Intel Core i7 Hard Drive: 1TB LCD Screen: 19" High-brightness LCD Equipped with professional control joystick
Software System	Fully Chinese or English UI. Supports forward/backward, left/right turn, ascent/descent, auto depth & auto heading, and multi-speed adjustment. Built-in video recording, one-click video saving & snapshot; adjustable light brightness and PTU angles. On-screen data overlay: date, time, depth, temperature, heading, etc. Real-time data display.

1.3 Winch & Umbilical Cable



Fig.3:Cable Winch

Winch & Umbilical Cable	
Type	Manual winch
Function	Manual cable arranging
Cable Type	Zero-buoyancy Kevlar umbilical cable
Umbilical Cable Length	100m



Provide World-class
Integrated Solutions for Deep-sea Equipment

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