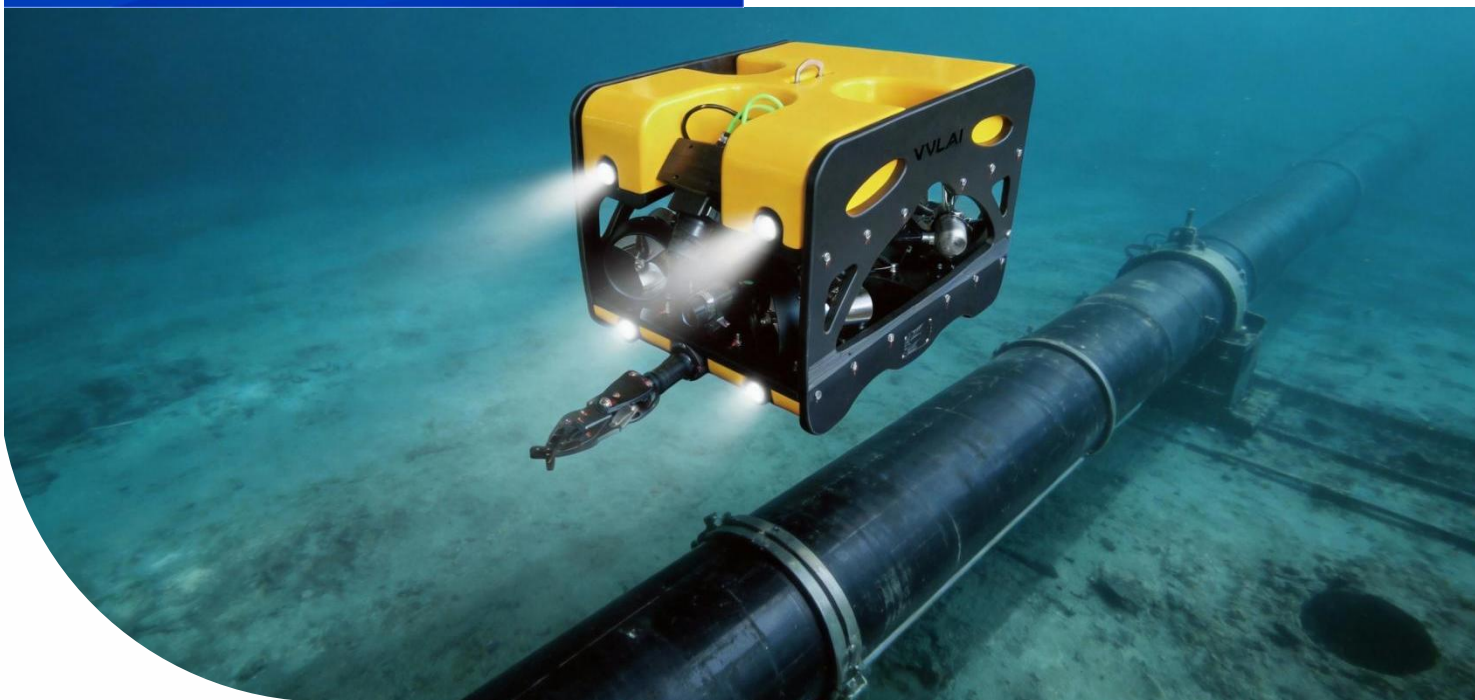


TOP NOTCH DEEP-SEA EQUIPMENT



X06 ROV

Technical Specifications

Technical Specifications

1. Technical Parameters

1.1 Robot System



Fig. 1: X06 Axonometric Drawing

Robot System	
Dimensions (L×W×H)	598mm×451mm×406mm
Weight	45kg
Depth Rating	300m
Thruster	6 thrusters (4 horizontal, 2 vertical). Functions: forward/backward, lateral movement, ascent/descent, depth hold, heading hold.
Maximum Still Water Speed	3Kn
Camera	1 HD fixed-focus lens mounted on front PTU
Light	4 pcs 50W LED lights, stepless dimmable
Pan-tilt Unit (PTU)	1 single-axis PTU at front, pitch angle $\pm 60^\circ$
Manipulator	Single-axis manipulator, opening size 150 mm, clamping force 8 kg

1.2 Deck Support Unit



Fig.2: 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	Controls ROV movement: forward, backward, left turn, right turn, lateral left/right, ascent, descent, auto depth hold and auto heading hold; multi-speed adjustable. Supports video recording, one-click video saving & snapshot, as well as adjustment of light brightness and PTU angles. On-screen overlay for date, time, depth, temperature, heading and more. Real-time monitoring data display.

1.3 Winch & Umbilical Cable



Fig.3:Cable Winch

Winch & Umbilical Cable	
Type	Manual winch
Cable Type	Zero-buoyancy Kevlar umbilical cable
Umbilical Cable Length	200m



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山东未来机器人股份有限公司
SHANDONG FUTURE ROBOT CO., LTD

Add: No.52,Chuangye Rd,Hi-tech Zone,Weihai,China
Tel: 0631-5326187 Mob: 13082680120 Fax: 0631-5326187
Email: robot2@vvlai.com www.vvlai.cn www.vvlai.com



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