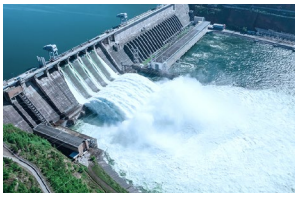
Performer-M6

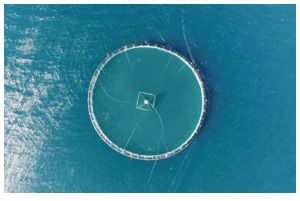
Remarkable Underwater Performer

High-Performance, easy to use, compact and portable,
highly cost-effective

APPLICATION

Emergency rescue


Water conservation and hydropower


Marine fisheries

Scientific Research

OVERVIEW

The Performer-M6 is a lightweight micro ROV in the Performer series ROVs. It is equipped with 6 powerful magnetically coupled thrusters, including 2 vertical thrusters and 4 horizontal vector thrusters. The vector thrusters are arranged to generate combined thrust from all directions horizontally, thus easily resisting current disturbances from all directions and ensuring the ROV's stability underwater.
The Performer-M6 is equipped with a 0.001 Lux low-light, high-definition underwater camera with a 180° tilt platform to ensure excellent image quality in poor water. The Performer-M6 also offers a wide range of optional payloads such as 4k camera, 10x zoom camera, intelligent measurement kit, grabber, multi-beam sonar, water quality sensor and so on to ensure its wide range of works.The Performer-M6 weighs only 15kg and can be easily transported, deployed and operated by one person, and easy for customers to use.

FEATURES

Compact and lightweight. easy to deploy and recover

Automatic functions for excellent driving experience

Deepinfar's new generation ROP LITE control system for a better interactive UI

Low light HD underwater camera system provides excellent camera quality

Wide range of optional configurations

Highly Maneuverable Vectored Anti-flow capability in all directions

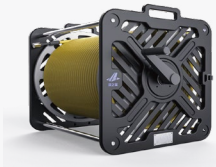
PRODUCT SPECIFICATION

Maximum depth	150m
Dimensions	485mm*380mm*295mm
Weight in air	16kg (Without payload)
Payload	2kg
Maximum Tether Length	200m
Maximum Forward Speed	3 knots
Thruster	4 Vectored & 2 vertical
Forward Bollard Thrust	15kg
Vertical Bollard Thrust	10kg
Lateral Bollard Thrust	10kg
Camera	1080P, 130° FOV, 0.001lux, 180° Tilt platform
Lights	2*2000Lm
ROV tether	9mm Diamter，Neutrally Buoyant in Water，200kg Work Strength
Expansion Port	2 Ports RS232/RS485/Ethernet
Auto Function	Auto Depth，Auto Heading，Auto Altitude（Option）， Auto Positioning（Option）

INCLUDED EQUIPMENT LISTS

- [x] M6 Main Body
- [x] 100m umbilical cable and manual reel
- [x] PCU4 Handheld Operating terminal
- [x] Deck control unit (laptop not included)
- [x] ROP Lite control software
- [x] User Manual
- [x] Accessories
- [x] Transport cases

OPTIONALEQUIPMENT AND ACCESSORIES



200m umbilical cable and manual reel

Integrated control box

Multibeam Imaging sonar

Multiparameter Water Quality Meters

4k camera

10x optical zoom camera

Altimeter

Lasers

Grabber (with different end-effectors)

M800-00A

M600-01

M700-01

M800-01

M100-001