QYSEA

FIFISH V6 EXPERT brochure

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Manufacturer: QYSEA

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Original manufacturer pages follow unchanged. Product configuration and technical limits are defined by the manufacturer document.

Official source

https://www.qysea.com/products/fifish-v6-expert/

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QYSEA

FIFISH V6 EXPERT

Underwater Productivity Tool



Sport ROV

Professional

Compact Size & Operational ROV Platform

High-Performance & Multi-Functional Underwater Productivity Tool

FIFISH V6 EXPERT

FIFISH V6 EXPERT is a professional-class underwater robot and a multi-capable tool built to enhance your underwater missions and operations. The V6 EXPERT can be equipped with a myriad of accessories as well as an onshore power supply system, delivering optimal performance and diving time for your expeditions.

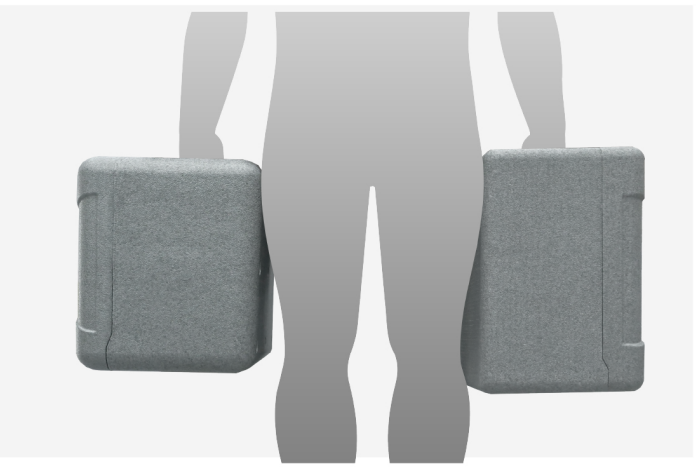
100m	3 Knots	-10~60℃	1.5 Hrs (With 1m/s Currents)
Max Depth	Max Speed	Temperature Range	6 Hrs (In Still Waters)

Lasting Power, High Performance & Secure Reliability

Seamless and quick deployment of energy packs for smooth, lengthy and uninterrupted diving sessions.

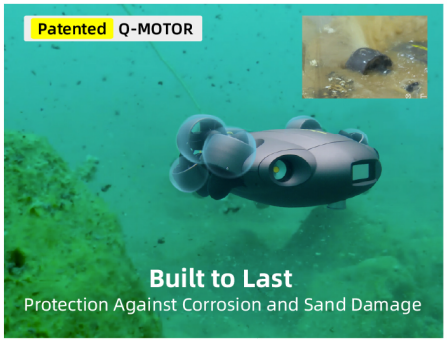


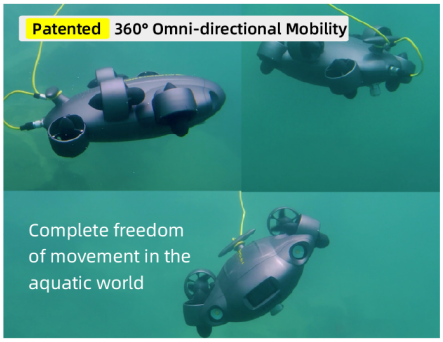
Quick & simple installation for continuous workflow



For easy carrying, deployment, operation & maintenance

Streamlined Design & Robust Build





Patented Q-STEADY2.0

Introducing the FIFISH's latest Q-Steady2.0 Stabilization System, delivering ultra-smooth and steady footage no matter where your challenging missions take you.

Efficient in Currents

A Streamlined design for minimum water resistance and enhanced power efficiency, the V6 EXPERT delivers a continuous flow of work for 1.5 hours even against currents of 1m/s .

■ 4K UHD Low Noise Shooting for Cinematic Clarity

The FIFISH V6 EXPERT comes equipped with a UHD 4K underwater camera lens, along with a 166° ultra-wide field of view, 12-megapixel resolution, 240 FPS slow-motion filming capabilities, and much more. V6 EXPERT's vision enhancement algorithms bring out the vibrancy of the underwater environment, so you can capture every detail needed in your aquatic operations and missions.





Supports DNG Format



12 Megapixel Resolution



f/2.5 Aperture



166° Field of View



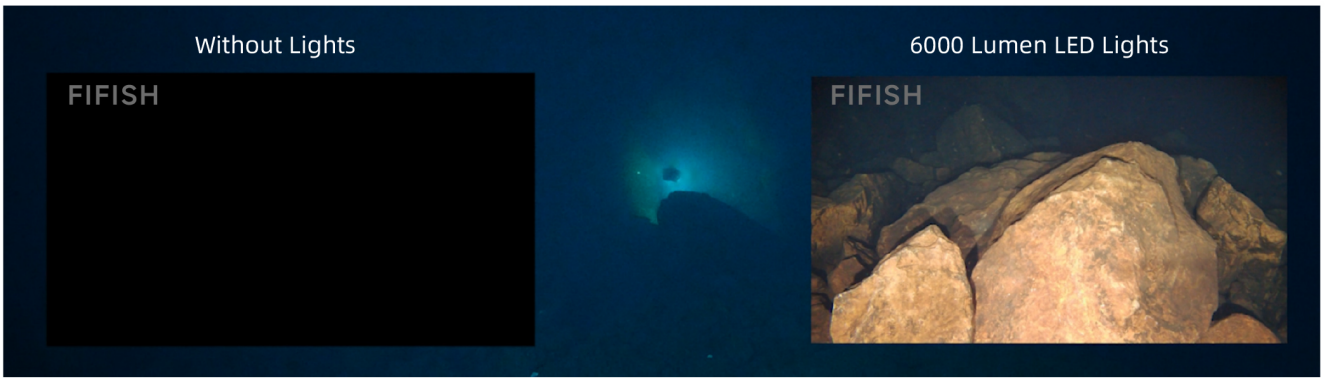
240 FPS Slo-Mo Filming



4K Ultra HD Video Quality

■ Enhanced Lighting for Optimal Imaging

The FIFISH V6 EXPERT comes equipped with a pair of ultra-bright 6000 lumen LED lights alongside its 4K UHD camera, delivering brilliant, vivid and vibrant images and footages within even the darkest spaces.



■ VR Intelligent Head Tracking

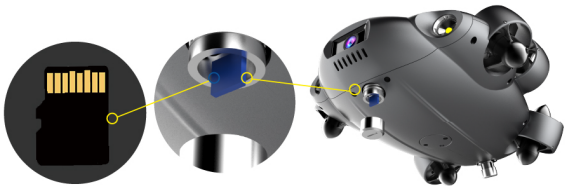
FIFISH V6 EXPERT applies unique sensory controls that provide the user a truly immersive underwater experience from the ROV's first-person perspective. Through the smart VR goggles, take the QYSEA patented **full 360°** directional and posture control of the drone simply by rotating the head. This intelligent feature is accurate, easy to use, and a breakthrough in underwater exploration.





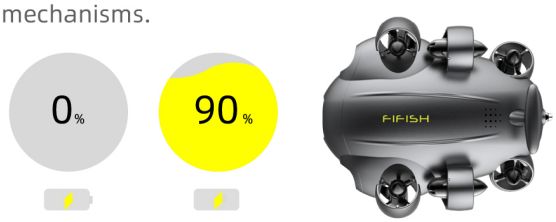
Micro SD Card Fast Transfer & Storage

The SD card can be taken out of the V6 EXPERT for data exporting with ease. The ROV comes equipped with a 128GB card for ample space and storage of high-definition films and images.



Powerful Battery with Quick Charge Enabled

The V6 EXPERT has a 14400mAh super-capacity battery that provides long-lasting battery life, quick charging capabilities, and multiple safety and security mechanisms.



Q-CHARGE: Fast-charging to 90% capacity within 1 hour

Light, Portable & Worry Free

FIFISH V6 EXPERT helps your underwater operations become organized and worry-free. Its compactness allows easy transportation to wherever your missions take you, and its power efficiency delivers you continuous and uninterrupted diving sessions.



EPP Case Specifications:

Length: 728mm
Width: 470mm
Height: 272.5mm

V6 EXPERT M100 Standard Accessories


Portable & Light EPP Case


V6 EXPERT ROV


100m Tether & Spool


Spare Propellers (x2)

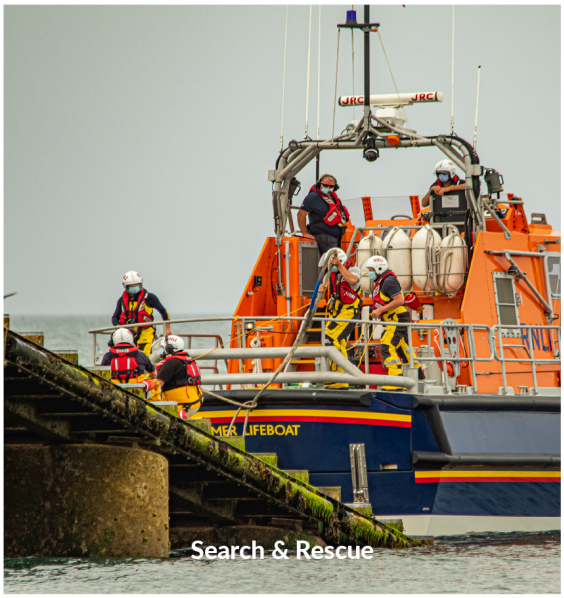

Charger


Controller

FIFISH V6 EXPERT PACKAGES

SKU	M100	M100A	M200	M200A	MP200	EP300
						
Cable Length	100m	100m	200m	200m	200m+100m	300m+100m
Spool	Manual Spool *1	Manual Spool *1	Manual Spool *1	Manual Spool *1	Manual Spool *2	E-Spool *1 Manual Spool *1
Package	EPP Box *1	Industry Case *1	Industry Case *1	Industry Case *1	EPP Box *2	Industry Case *1 EPP Box *1
OPSS	×	×	×	×	√	√
Robotic Arm (w/ Grippers)	×	√	×	√	×	×

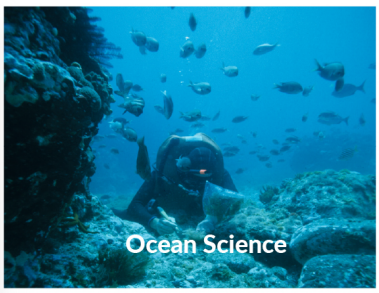
Applications & Scenarios











Tools & Add-Ons

Inspection Tools


Q-Camera


2D Image Sonar


HDMI Box 2.0


Controller Sun Hood


Sports Camera Mount


External Lighting Mount


Remote Control System

Measurement Tools


Compass Ruler


Laser Scaler


Distance Meter


Altimeter


Underwater Metal Detector

Navigation Tools


UQPS–Underwater Quick Positioning System

Manipulator Tools


Robotic Arm


Retrieval Hook


Fishing Net


Underwater Dozer


Net Patch Kit


Parallel Grippe

Water Quality Tools


Water Sampler (100ml)


Water Sampler (500ml)


Dissolved Oxygen Sensor


Salinity Sensor


Turbidity Sensor


pH Sensor


Mud Sampler

FIFISH V6 EXPERT Specifications

■ ROV

Dimensions	383mm(l) x 331mm(w) x 143mm(h)
	4.6kg
Thrusters	6 Thrusters (FIFISH Q-Motor Technology)
Maneuverability	6 Degrees of Freedom
	Movement: left & right, up & down, forward & backward
	Rotation: 360° pitches, 360° rolls, 360° yaws
Posture Lock ™	Lock the ± 0.1° pitch or roll angle, in any direction
Hovering	Keep the ROV suspending in ± 1 cm
	Maximum 3 knots (1.5 m/s)
Depth Rating	100M
Temperature Range	-10 °C ~ 60 °C
Power	1-4h (Dependent on Work Environment)
	156Wh Capacity
	1 Hour Quick Charging（90% Capacity）
	Charging voltage: 12.6V
Battery Type	Li-ion Panasonic 21700

■ LED Lights

Brightness	3000 Lumen LED * 2
CCT	5500K (Correlated Color Temperature)
Beam Angle	120°
Brightness Levels	3 Brightness Levels

■ Charger

ROV	Input: 100-240V, 50/60 Hz，3.0A MAX
	Output: 12.6V ⎓10A
RC	Input: 100-240 V, 50/60 Hz，0.5 A MAX
	Output: 5V ⎓ 3A

■ Tether & Spool

Cable Length	100m/ 200m
Breaking Force	100kgf
Tether Diameter	4.6mm
Dimensions	238 mm x 213 mm x 205 mm

■ Camera

Sensor	1/2.3" SONY CMOS
Pixels	12MP
ISO Range	100–3200 (Auto/Manual)
Lens	Field of View = Above Water: 166° / Underwater: 96°
	Aperture: f/2.5
	Focus Range: 0.3m~+∞
Shutter Speed	5~1/5000 Second
Burst Shooting	1 / 3 / 5 / 10 Frames
White Balance	2500K-7500K (for Seawater & Freshwater, Auto/Manual)
Exposure Comp.	-3.0 EV to +3.0 EV (Auto/Manual)
Photo Resolution	4:3 = 4000 × 3000 / 16:9 = 3840 × 2160
Photo Format	JPEG, RAW (DNG)
Video Resolution	4K UHD: 25/30 fps
	1080P FHD: 25/30/50/60/100/120 fps
	720P HD: 25/30/50/60/100/120/200/240 fps
Video Format	MP4
Stabilization	EIS (Electronic Image Stabilization)
Colour Encoding	NTSC & PAL
Storage	External MicroSD Storage (128GB Standard, Supports up to 256GB)

■ Controller

Wireless	5GHz WiFi,11a,n,ac
Battery Life	Up to 4 hours
SD Card Support	Micro-SD Card FAT32 & EXFAT Format (to 128GB)
HDMI Output	QYSEA HDMI Output Box

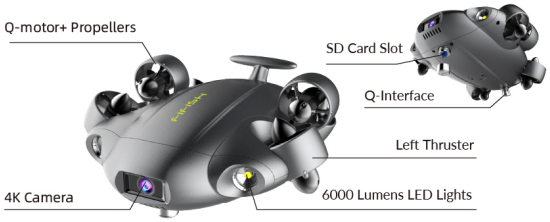
■ Q-Interface

Ports	1
Material	Stainless steel 316
Voltage	9~12V

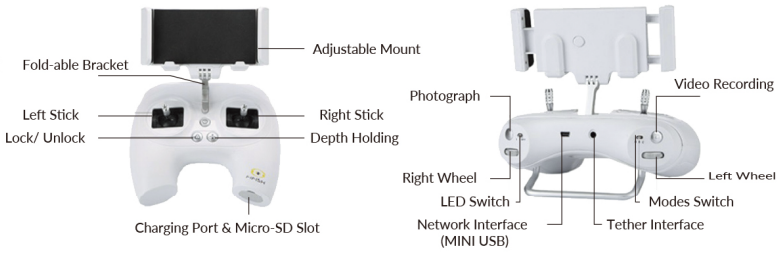
※ Specifications are subject to change without prior notice.
Please contact QYSEA for detailed parameters.

Component Breakdown

ROV



CONTROLLER



FIFISH V6 EXPERT

Connect with QYSEA

QYSEA Website

QYSEA Media

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