

Enterprise-Grade Advanced Inspection ROV



AR Smart Measurement/Distance &
Altitude Lock/Automated Inspections

FIFISH PRO *VE PLUS*

Intelligent Underwater Inspections & Measurements Expert



Enterprise-Grade Advanced Inspection ROV

Operate & Upgrade to the Industrial Level.

FIFISH PRO V6 PLUS FEATURES

150m
Max Depth

3 Knots
Max Speed

-10~60°C
Temp Range

4 Hours
Depend On Different
Working Mode

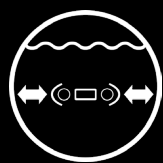
■ AI Vision Lock

QYSEA's Vision Lock feature unleashes a range of smart functions that keep your subjects securely on lock. Integrating its AI visual neural network and the widely-recognized Dead Reckoning navigational process, QYSEA's algorithms accurately estimate and determine the positions of objects at focus, allowing the FIFISH ROV to maintain a highly stable posture of real-time target locking.



■ Intelligent Distance & Altitude Lock

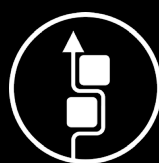
The distance lock and Altitude Lock sonar system measure the forward distance and the downward altitude in real-time. Through distance lock and Altitude Lock, the difficulty of operation is reduced, and various inspections are more efficient and accurate.



Distance lock



Altitude Lock



Smart Collision
Avoidance



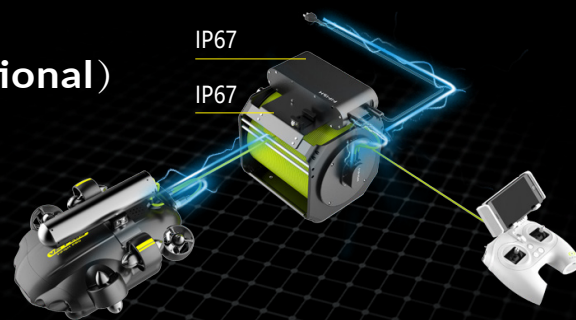
Terrain scan



■ Onshore Power Supply Module (Optional)

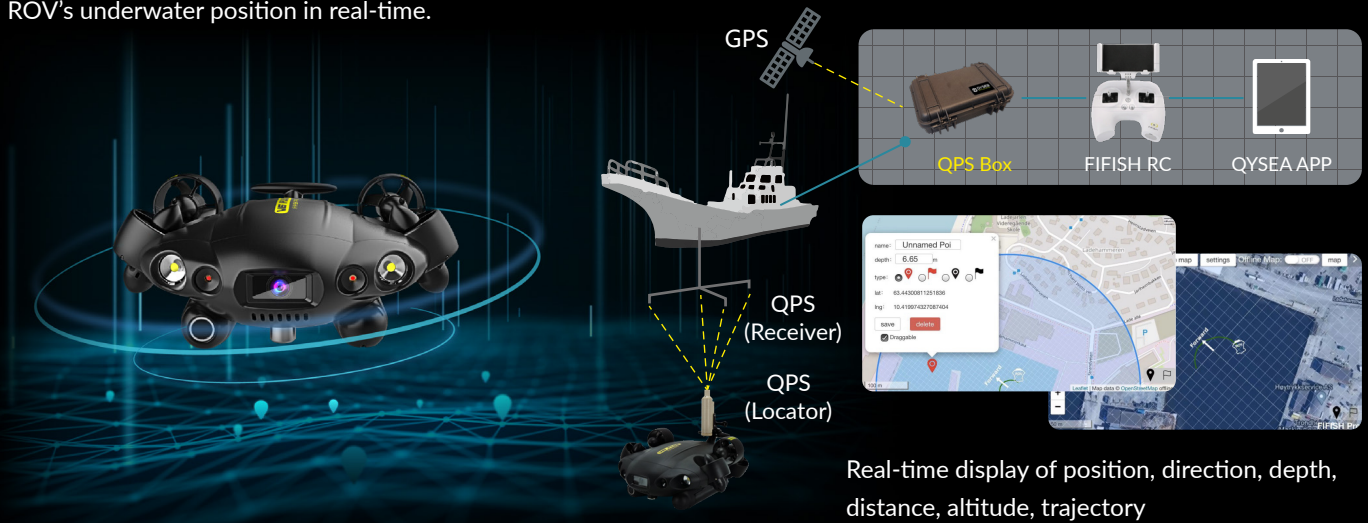
Patented six Q-motor power-saving design, miniaturized power supply system, Using while charging, super long battery life, fast replenishment, unlimited scenes, unlimited applications.

Safe and reliable, waterproof, anti leakage and anti electric shock design, excellent quality, worry-free operation.



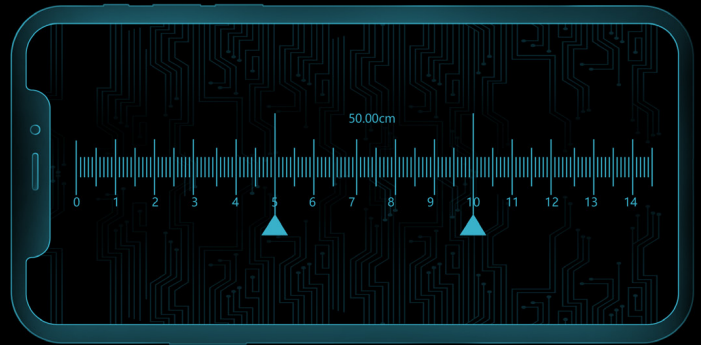
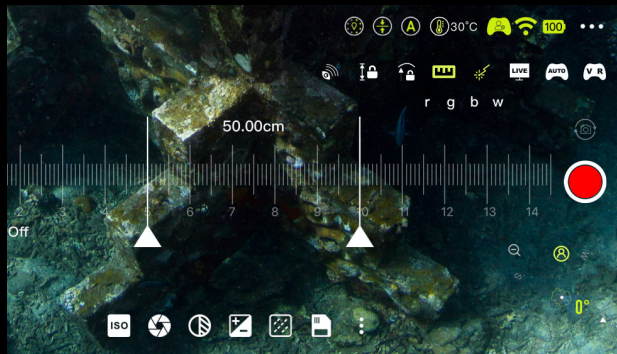
■ Real-Time Location Tracking with U-QPS (Optional)

Utilizing the QYSEA patented Underwater Quick Positioning System (U-QPS), identify, track and record data on the ROV's underwater position in real-time.



■ AR Ruler (Intelligent Measurement)

QYSEA patent AR ruler's precision is up to 1cm. Self-adaptive measurement and visualized data are visible on FIFISH APP. By moving the scaler and customizing color of scaler, with one simple click you can save the measuring result.



■ Built-in Laser Scaler

Built-in high brightness laser, a traditional and reliable measurement method.



■ A New Generation Of Q Motor Power System, Fully Upgraded

Using QYSEA Technology's "close loop enhanced stabilization algorithm", adaptively adjust the power curve according to the external interference environment, so that the ROV shooting image is more stable, just like an underwater gimbal. Install metal propeller, industrial quality and durable.



■ 4K Ultra-High Definition Imagery with 6000 Lumen LED Lights

The V6 Plus's combination of its ultra-high-definition camera and powerful lighting system produces outstanding images that illuminates its surrounding underwater environments, transforming the dark spaces to as bright as day.



166° FOV Wide-Angle Lens



240 frames per second in slow motion



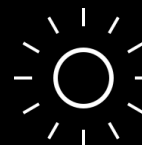
4K UHD Camera



DNG Format



12MP



6000 lumen LED



5500K Color Temperature



Aperture F/2.5

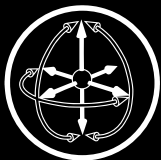
■ VR Intelligent Head Tracking

FIFISH PRO V6 PLUS 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 QYSEA patented full 360° directional and posture control of the V6 EXPERT simply by rotating the head. This intelligent feature is accurate, easy to use, and a breakthrough in underwater exploration.

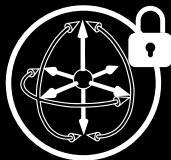


■ Full Freedom of Movement

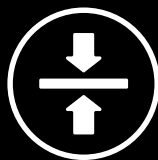
FIFISH PRO V6 PLUS has 6 degrees of freedom. Free like a fish, V6 PLUS moves in all directions: 360° rotation, lateral and tilt. When moving in any direction, the posture lock can ensure the angle of the drone.



Omnidirectional



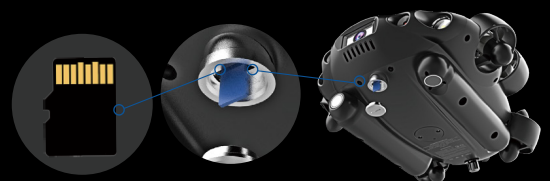
Posture lock



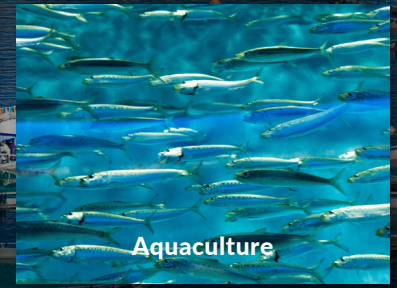
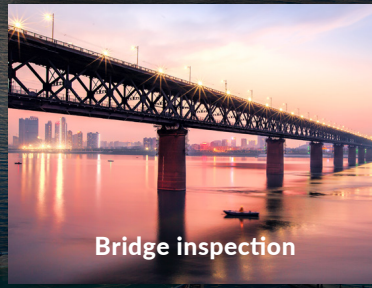
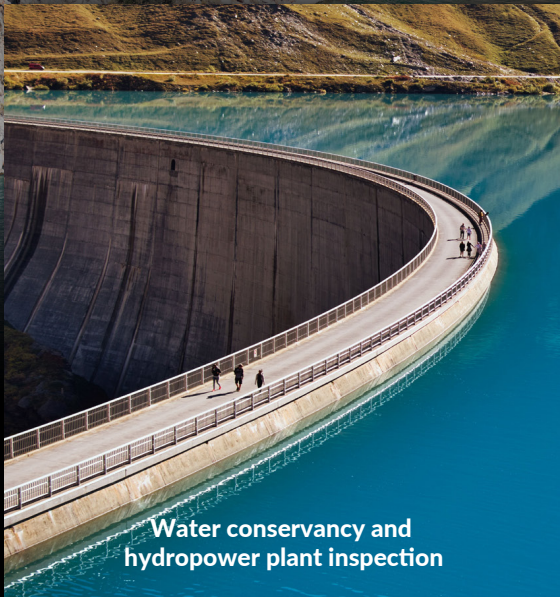
Depth lock

■ Quick Data Storage & Transfer

The SD card is removable, and all data is instantly exported. The SD card comes standard with 128GB, and can support up to 512GB.

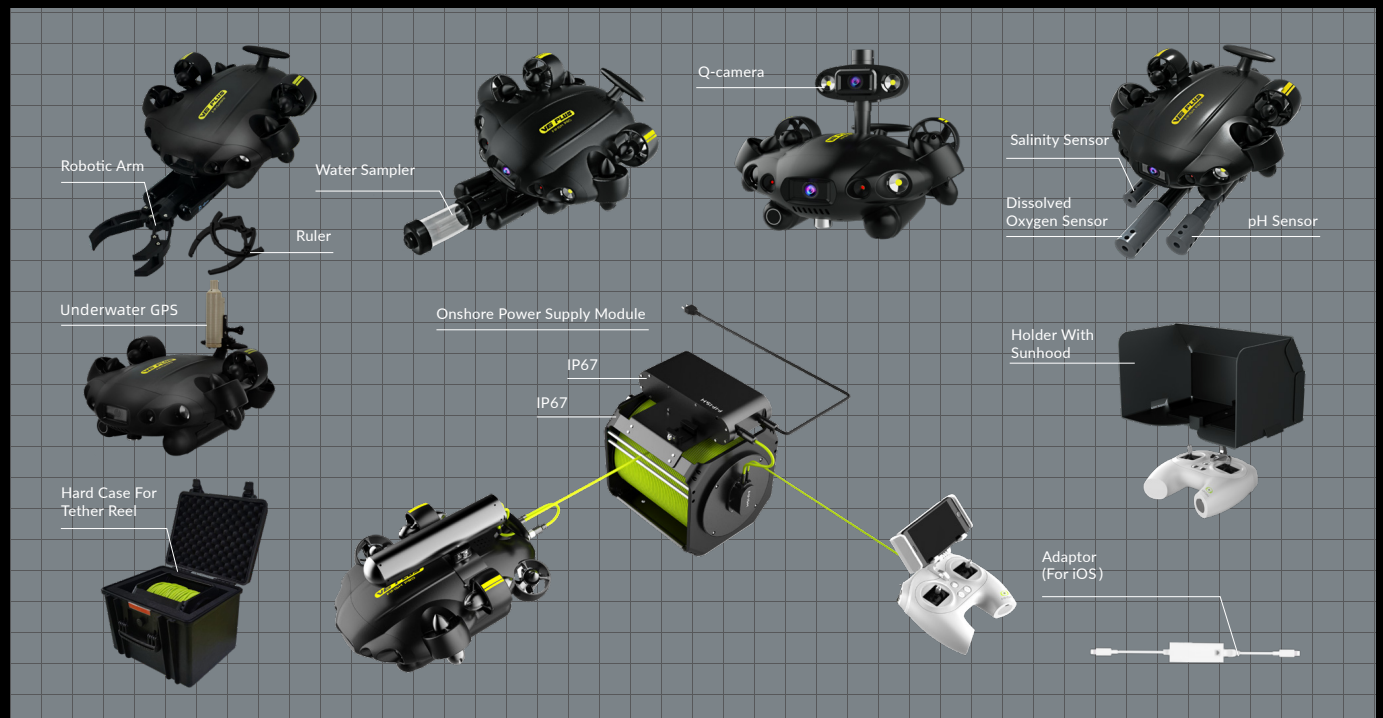
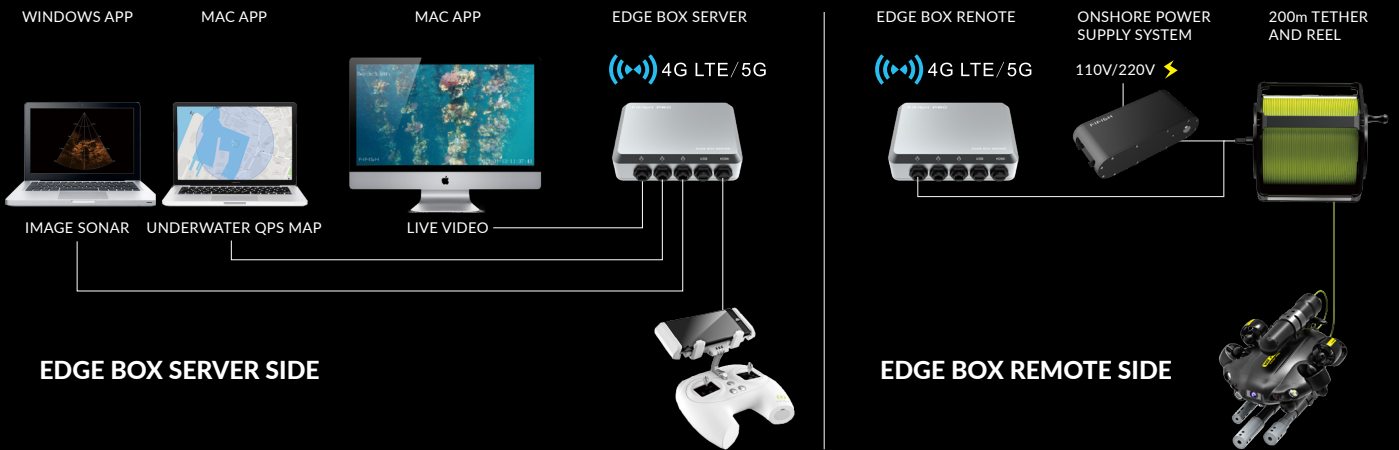


Application Scenarios



Accessories

4G LTE/5G Remote Control System



FIFISH PRO V6 PLUS Specifications



ROV

Dimensions	383mm x 331mm x 158mm
Weight	5kg
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
Speed	Maximum 3 knots (1.5 m/s)
Depth Rating	150M
Temperature Range	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Battery	Dive Time: 1-4 Hours (Depending on usage scenario)
	Rated Capacity: 14,400mAh / 156Wh
	1- Hour Quick Charge
	Charge Voltage: 12.6 V Li-ion Panasonic 21700
Sensor	Accelerometer, Gyroscope, Electronic Compass
	Temperature Transducer
	Depth Transducer

LED LIGHTS

Brightness	6000 Lumen LED
CCT	5500K (Correlated Color Temperature)
Beam Angle	120°
Levels	2 Brightness Levels

CHARGER

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

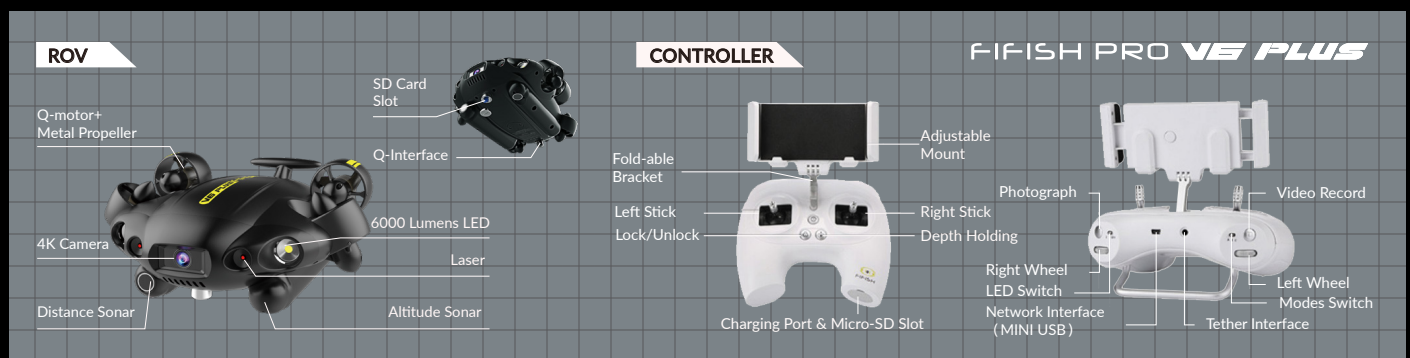
DISTANCE LOCK, ALTITUDE LOCK SONAR SYSTEM

Detection range	0.5 - 6.0m
Precision	+/-5cm

FIFISH V6 Plus Web Page: <https://www.qysea.com>

※Product specifications & accessories are subject to change without notice.

COMPONENT BREAKDOWN



CAMERA

Sensor	1/2.3" SONY CMOS
Pixels	12MP
ISO Range	100-6400 In Auto / Manual
Lens	Field of View: 166°
	Aperture: f/2.5 Minimum Focusing Distance: 0.4 m
Shutter Speed	5~1/5000 Second
Burst Shooting	1 / 3 / 5 / 7 / 10 Frames
White Balance	2500K-8000K
Exposure Comp.	- 3.0 EV ~ + 3.0 EV
Photo Resolution	4:3: 4000 x 3000
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	MPEG4- AVC/H.264, HEVC/H.265
Stabilization	EIS (Electronic Image Stabilization)
Colour Encoding	NTSC & PAL
Storage	Pluggable, 128GB standard, support up to 512GB

CONTROLLER

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

ROBOTIC ARM (optional)

Size	140mm
Grip	10kgf
Supply Voltage	9~12V
Maximum Current	3A

LASER RULER

Laser Tube Type	Spot Laser
Wavelength	650nm (Red)
Scale Length	12cm

TETHER

Length	200m standard (100m/300m optional)
Breaking Force	100 kgf
Tether Diameter	4.0mm

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