



# ADVANCED UNDERWATER INSPECTION

Operate & Upgrade to the Industrial Level.



Industrial OMNI-4K Small-Sized Underwater Robot

FIFISH  
UNDERWATER ROBOT

## V6 PLUS

FIFISH V6 Plus Domestic Line





# Be Active Across the Underwater World.

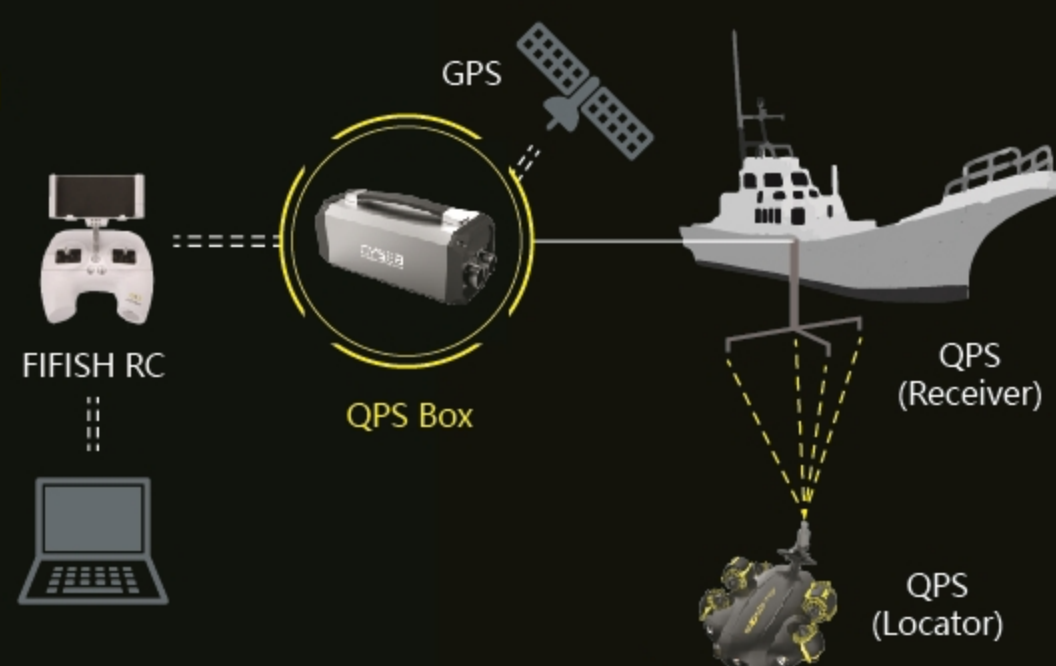
FIFISH V6 Plus delivers the tools for high-level inspections (i.e. hulls, bridges, fish farms, hydroelectric power plants, sewage treatments, ports, etc.), Sea-floor mapping, search & rescues, and more. Eliminate the human dangers and difficulties of underwater operations, along with attachment tools for that enables advanced underwater work at the industrial level.

## Attachment Tools

Add-on options available to suit your requirements.

### Quick Positioning System

FIFISH V6 Plus' s GPS kit and underwater Quick Positioning System (QPS) allows for both hardware and software upgrades. QPS assists the pilot with where the FIFISH V6 Plus, is below the surface, at all times and in real-time . (Suitable for ship inspections, as well as search and rescues, under depths of 100-300 feet).



#### High Precision Laser Scaler

Accurately measures the hole size on the Vessel hull, to identify and prevent further damage.



#### Add-On Thruster

#### Water Sampler

Function: Water Sampling  
Capacity: 50ml  
Features: With Filter  
One-Way Valve



#### Gamma Detector

Function: Detects Gamma Radiation  
Detection Range: 1uR / h to 5mR / h  
(0.01uSv / h & 0.05mSv / h)  
Dose Resolution: 1uR / h



#### FIFISH Auxiliary Camera

Specially Designed by QYSEA  
Dual Camera Compatible  
Connected with the FIFISH App

#### Automatic Spool

Manual: 100m  
Automatic: 200m / 300m  
(Extend-able & Retractable)



#### Underwater Dozer

#### Underwater QPS

#### Manipulator



#### Thruster Protectors

\* Scheduled to change colours



#### Water Sampler



# Industrial OMNI-4K Small-Sized Underwater Robot

## FIFISH V6 Plus

Inheriting all the essential features of the world's first omni-directional 4K underwater drone, FIFISH V6 Plus also includes a new patented Q-Motor for greater power, speed and functions fit for the industrial level, as well as attachment tools for advanced underwater applications. V6 Plus brings possibility and reliability for all your advanced underwater missions!

## FIFISH V6 Plus Features

(Brand new functions of the V6 Plus indicated by the color code)

Carbon  
Fiber  
Material

FIFISH V6 PLUS



QYSEA Specialty Q-Motor Power System

Max  
Speed

3.2 knots

Life  
Cycle

600 Hours



156Wh Battery Capacity

Usage  
Time

4~8 Hours

※Varies on situation & environment



High Brightness LED

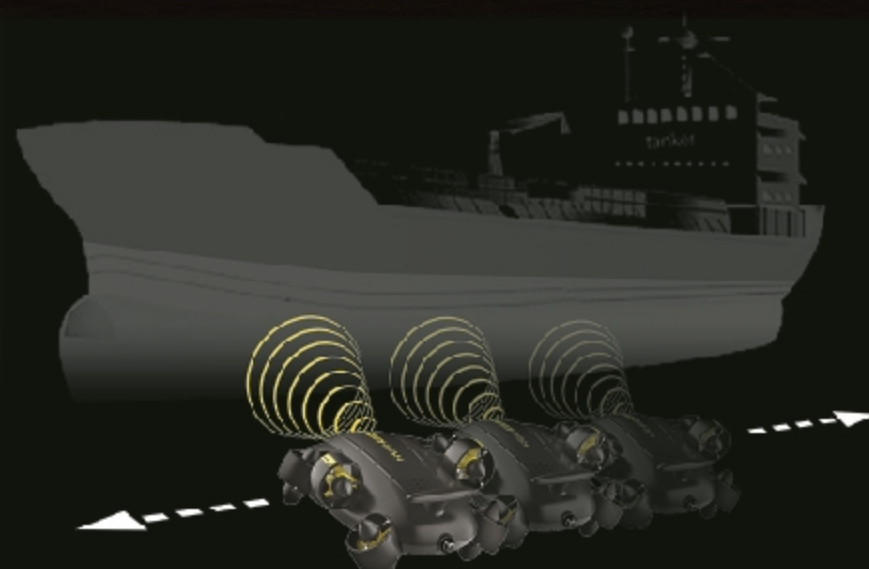
6000 lm

Max.  
Depth 100 m

Temp.  
Range -10~60°C

## + Sonar Distance Lock System

The embedded sonar system features a distance-measuring function. In addition, DL (Distance Lock) enables the V6 plus to fix its height and speed, reducing the operational complexity and allowing the pilot to better focus on capturing and recording important images. This makes V6 Plus the ideal ROV for inspections of all kinds (i.e., large vessel, boat / yacht, bridge inspection, infrastructure, etc).



※ Range can be set for 50cm or more

## + SD Card Direct Transfer



Record your HD footage directly to the SD Card, and along with a quick release slot, save on downloading time.

## + Open Source

QYSEA.Platform provides Open Source customizations (CMD/Communication Protocol), allowing users to re-design numerous elements suitable to their requirements (Windows/Linux-/Android/iOS).

## Freedom of Movement

V6 Plus' s thrusters deliver you 6 degrees of freedom, allowing mobility in all directions as well as rotations in 360° rolls, pans & tilts. The Posture Lock™ secures the angle of your drone as you move in any direction.

## VR Head Tracking

Integrating VR smart technology that fully immerses the user into the underwater world, the Head Tracking feature lets you yourself into the drone' s first-person-view and control where you want to go simply by turning your



※ Separate smart phone/ device is required for this VR function.

● 12MP · 4K UHD Camera

● Image Enhancement System

● 166° FOV Wide-Angle Lens

● Live Broadcast · HDMI Output

● Dedicated App



# FIFISH V6 PLUS Specifications



## ■ ROV

Dimensions	383 mm x 331 mm x 143 mm
Weight	4kg
Thrusters	6 Thrusters (FIFISH Q-Motor Technology)
Maneuverability	6 Degrees of Freedom Movement: left & right, up & down, forward & Rotation: 360° pitches, 360° rolls, 360° yaws
Posture Lock™	Lock the $\pm 0.1^\circ$ pitch or roll angle, in any direction
Hovering	Keep the ROV suspending in $\pm 1$ cm
Speed	Maximum 3.2 knots (1.65 m/s)
Depth Rating	100 M (328 ft)
Temperature Range	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Battery	Dive Time: 4-8 Hours (Depending on usage scenario) Rated Capacity: 14,400mAh / 156Wh Charge Voltage: 12.9 V 2- Hour Quick Charge Li-ion Panasonic 21700
Attachment Tools	Supports 12V Power Supply

## ■ LED LIGHTS

Brightness	6000 Lumen LED
CCT	5500K (Correlated Color Temperature)
Beam Angle	120°
Levels	3 Brightness Levels

## ■ CHARGER

ROV	Input: 100-240V, 50/60 Hz, 3.0A MAX Output: 12.9V = 10A
RC	Input: 100-240V, 50/60Hz, 0.5A MAX Output: 5V = 3A

## ■ APP

Operating System	iOS 10.0.0 & above, Android 5.0 & Above
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## ■ 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
Additional Modes	Slow Motion Shooting
Video Format	MPEG4- AVC/H.264, HEVC/H.265
Stabilization	EIS (Electronic Image Stabilization)
Colour Encoding	NTSC & PAL
Internal Storage	64GB standard, Upgradable to 128GB
Additional Features	Automatic Depth & Positioning
Display Features	Date, Time, Depth & Positioning
Video Output	Digital

## ■ CONTROLLER

Wireless	Wi-Fi supported
Battery Life	Up to 4 hours
SD Card Support	MicroSD Card FAT32 & EXFAT Format (to 128GB)
HDMI Output	QYSEA HDMI Output Box

## ■ TETHER

Length	100m / 200m / 300m
Breaking Force	100 kgf

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

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

## Component Breakdown

