QYSEA

# FIFISH V6 EXPERT technical specifications

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Manufacturer: QYSEA

Document: datasheet | Revision not stated

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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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# FIFISH V6 EXPERT
## Technical Specifications




### ROV

| | |
|---|---|
| **Dimensions** | 383mm(l) x 331mm(w) x 143mm(h) |
| **Weight** | 4.6kg |
| **Depth Rating** | 100m |
| **Payload** | 5kg |
| **Speed** | 3 Knots (1.5 m/s) |
| **Propellers** | 6 Degrees of Freedom<br>Movement: left & right, up & down, forward & backward, 360° yaw, 360° pitch, 360° roll |
| **Operating Temp.** | -10 °C ~ 60 °C<br>(Operational Temp. Range) |
| **Power** | 1-4h (Dependent on Work Environment)<br>156Wh Capacity<br>Quick Charging: 90% Full Power in 1h (Actual Charging Speed May Differ) |

### Sensors

| | | |
|---|---|---|
| **Gyroscope** | ±0.1° | Posture Lock:<br>± 0.1° pitch angle or ± 0.1° roll angle, moving in any direction |
| **Accelerometer** | ±0.1° | |
| **Magnetometer** | ±1° | |
| **Depth Sensor** | Suspension within ±1 cm | Depth Lock |
| **Temp. Sensor** | ±1° | |

### Camera

| | |
|---|---|
| **Sensor** | 1/2.3" CMOS |
| **Pixels** | 12MP |
| **Aperture** | f/2.5 |
| **Field of View** | Above Water: 166°<br>Underwater: 96° |
| **Focus Range** | 0.3m~ + ∞ |
| **Shutter Speed** | 5-1/5000 Second |
| **Burst Shooting** | 1/3/5/10 Frames |
| **ISO** | 100-3200 (Auto/Manual) |
| **White Balance** | 2500K-7500K (for Seawater & Freshwater, Auto/Manual) |
| **Exposure Compensation** | -3.0 EV to +3.0 EV (Auto/Manual) |
| **Photo Resolution** | 4:3 = 4000 × 3000<br>16:9 = 3840 × 2160 |
| **Photo Format** | JPEG, DNG |
| **Video Resolution** | 4K UHD: 25/30 fps<br>1080p FHD: 25/30/50/60/100/120 fps<br>720P HD: 25/30/50/60/100/120/200/240 fps |
| **Video Encode** | H.264 |
| **Video Format** | MP4 |
| **Stabilization** | Electronic Stabilization (EIS) |
| **Color System** | NTSC & PAL |
| **Internal Storage** | External MicroSD Storage (128GB Standard, Supports up to 256GB) |
| **AI Vision Functionality** | Vision Lock, Diver Tracking |

### Lighting

| | |
|---|---|
| **Brightness** | 3000 Lumen LED * 2 |
| **CCT** | 5500K |
| **Beam Angle** | 120° |
| **Brightness Levels** | 3 |

Please contact the QYSEA team for more details;
specifications are subjected to change without notice.

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### Charger

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

### Controller

| | |
|---|---|
| Wireless Network | 5GHz WiFi: 802.11a/n/ac |
| Usage Time | Up to 4 hours |
| File Download Format | MicroSD Card: FAT32 & EXFAT (128GB Max. Storage Support) |
| HDMI Output | HDMI Box Required |

### Port Interface

| | |
|---|---|
| Quantity | 1 Port |
| Material | Stainless steel 316 |
| Interface | 9V-12V @ 5A ETHERNET, UART |
| Adjustable Power | Adaptive Voltage Range for External Add-on Accessories |
| Secure Plug | Self-diagnostic Tests & Leakage Prevention |

### Tether & Spool

| | |
|---|---|
| Cable length | 100m/200m |
| Tensile strength | 100kgf |
| Cable diameter | 4.6mm |
| Tether Weight (Underwater) | Neutral Buoyancy |

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