QYSEA

FIFISH V-EVO 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-v-evo/

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FIFISH V-EVO

Technical Specifications



ROV

Dimensions	383mm(l) x 331mm(w) x 143mm(h)
Weight	3.9kg
Depth Rating	100m
Payload	2kg
Speed	3 Knots (1.5 m/s)
Propellers	6 Degrees of Freedom
	Movement: left & right, up & down, forward & backward, 360° yaw, 360° pitch, 360° roll
Operating Temp.	-10 °C ~ 60 °C (Operational Temp. Range)
Power	1-4h (Dependent on Work Environment)
	97.2Wh Capacity

Sensors

Gyroscope	±0.1°	Posture Lock: ± 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°	

Lighting

Brightness	2500 Lumen LED * 2
CCT	5500K
Beam Angle	120°
Brightness Levels	3

Camera

Sensor	1/2.3" CMOS
Pixels	12MP
Aperture	f/2.5
Field of View	Above Water: 166° 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 16:9 = 3840 × 2160
Photo Format	JPEG, DNG
Video Resolution	4K UHD: 25/30/50/60 fps
	1080p FHD: 25/50/60/100/120 fps
	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	Built-in Storage (64GB Standard) or External MicroSD Storage (64GB Standard, Supports up to 256GB)
AI Vision Functionality	Vision Lock, Diver Tracking

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, 1.3A MAX
	Output: 12.6V ⎓ 5A
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
Tensile strength	100kgf
Cable diameter	4.6mm
Tether Weight (Underwater)	Neutral Buoyancy

Robotic Arm (Optional)

Max. Grip Strength	7kgf
Max. Grip Size	120mm

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