

FIFISH E-GO Specifications

ROV

Dimensions	430mm x 345mm x 170mm
Weight	5.7kg
Number of Propellers	6 (FIFISH Ring-Wing Motors)
Motion Attitude	6 degrees of freedom
	Motion directions : lateral movement (left and right), vertical movement (up and down), forward and backward
	Rotation dimensions: 360° roll, 360° pitch, 360° yaw
Attitude Lock	Locked at ±0.1° pitch angle or ±0.1° tilt angle, supports motion in any dimension
Auto Depth Hold	Accuracy within ±1 centimeter
Maximum Depth	100 M/200M
Operating Temperature	-10 °C ~ 60°C (*Working environment temperature range)
Battery	Operating Time: 2.5 hours (*may vary depending on working conditions)
	69.12wh*2
	Number of Batteries: 2
	Swappable Battery: Supports quick replacement (without shutting down machine)
	Smart battery management and detection
	Fast Charging: 90% in 1 hour (*Factory tested data; actual charging speed may differ)

*Note: The * data is obtained from FIFISH E-GO operating under standard intermittent detection tasks at a static water environment until the remaining battery level reaches 0%. The actual endurance may vary depending on the water environment and is for reference only.

LED Lights

Brightness	5000 lumens * 2
Color Temperature	5500 K
Beam Angle	160°

Camera

Sensor	1/1.8"
Aperture	f/2.5
FOV (Underwater)	H: 120°
	V : 70°
	D : 146°
Focus Range	0.1m to infinity
ISO	Auto, 100, 150, 200, 300, 400, 600, 800, 1600, 3200, 6400
White Balance	2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 5500K, 6000K, 7000K, 8000K
Exposure Compensation	Auto , +3,+2,+1,0,-1,-2,-3
Photo Resolution	4:3: 3840*2160
Photo Format	JPEG, DNG (Support RAW)
Video Resolution	4K30fps (H.264) 4K25fps (H.264 / H.265)
	1080p120/100fps 1080p60/50fps 1080p30/25fps
	720p180/150fps 720p120/100fps 720p90/75fps 720p60/50fps
Encoding Format	H.264、 H.265
Stabilization Mechanism	Electronic Stabilization
Video Format	MP4
Video System	NTSC & PAL
Storage Capacity	External, expandable up to 512GB (standard 128GB)
Camera Function	AI Vision Station Lock , AI de-hazing algorithm

Charger

ROV	Input : 100-240 V, 50/60 Hz , 2.5 A MAX
	Output : 18 V – 10A
RC	Input : 100-240 V, 50/60 Hz, 0.5 A MAX
	Output : 5 V – 3A

Motor

Motor Type	Bionic Ring
Number of Wings	6 Propeller
Blade Material	Hard Anodized Aluminum Alloy

Port Interface

Quantity	2 Ports (Expandable to 6 Ports)
Interface (Upper,Lower)	11V-24V@5A ETHERNET,UART
Adjustable power	Adaptive voltage range for external accessories
Secure plug	Self-diagnostic tests, leakage prevention (*Requires the use of the FIFISH extension dock)

Controller

Wireless Network	5GHz WiFi,11a,n,ac
Battery Usage Time	Greater than 4 hours
File Download Format	FAT32&EXFAT (maximum storage support of 256GB)
HDMI Output	Requires QYSEA HDMI BOX for connection

Tether & Spool

Cable length	100 meters/200 meters
Tensile strength	130 kg.
Cable diameter	4.0mm
Underwater weight	Neutral buoyancy
Waterproof rating	IP67

Robotic Arm+Parallel Gripper (Optional)

Size	140 mm
Grip Strength	10kgf
Power Supply Voltage	9-12V
Maximum Current	3A