



SMART ROV:

General

Dimensions	383 mm x 331 mm x 143 mm
Weight	4.6 kg
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 $\pm 0.1^\circ$ 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	100 M
Temperature Range	-10 °C ~ 60 °C
Battery	Operational Tie : 1.5h against 1m/s currents ; 6 hours still waters
	14400mAh super-capacity battery
	1 Hour Quick Charging (90% Capacity)
	Charging voltage: 12.6V
Battery Type	Li-ion Panasonic 21700

LED Lights

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

Charger

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

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 / 10 Frames
AWB	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
Video Format	720P HD: 25/30/50/60/100/120/200/240 fps
	MPEG4- AVC/H.264, HEVC/H.265
Stabilization	EIS (Electronic Image Stabilization)
Colour Encoding	NTSC & PAL
Storage	Pluggable, 128GB standard

Controller

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

Tether & Spool

Length	100m standard (200m/300m optional)
Breaking Force	100 kgf
Tether Diameter	4.0mm
Tether Diameter	238 mm x 213 mm x 205 mm

Q-Interface

Ports	1
Material	Stainless steel 316
Voltage	9~12V

