

Underwater Drone Specifications

Name/attribute	T1	
Drone	Weight	4.4kg/9.7lbs
	Dimensions	14.96x13.70x6.61inch/380x348x168mm
	Max Depth	150m / 492ft
	Bouyancy	neutral
	Operating Temperature	-10°C ~ 50°C
	Max Cruise Speed	3kn: 1.5m/s
	Max Ascend/Descend Speed	1m/s(3.5ft/s)
	Flow Resistance	3kn: 1.5m/s
	Battery Capacity	9000mAh/97.2Wh/10.8V; optional battery
	Max Runtime	4 hours
	Charger Input	100-240VAC
	Charger Output	63W/12.6V/5.0A
	Charge duration time	3 hours
	Rycycle time	300 times (the battery may not perform well after 500 times, but can still work)
	Degrees of Freedom	Forward/back, rise/fall, turn left/right, roll, pitch, sway (by extra lateral propeller, speed changeable)- 6 DOF
	Thruster number	6
	Motion Control mode	Auto Depth + Auto Heading + Auto Balance
	Pitch up & down	Yes, ±60°
	Cable connector	Separate
Wireless Relay	Extension Interface	Yes
	Weight (without cable)	413g
	Buoy Battery Capacity	3200mAh/34.56Wh/10.8V
	Max Operation Time	up to 10 hours
	Rycycle time	300 times (the battery may not perform well after 500 times, but can still work)
	IP	IP57
	Wifi Relay Dimensions	110x100x55mm
	Cable Weight in air	11.7 g/m
	Cable Diameter	4.5mm
	Cable Buoyancy	zero
	Cable Work Strength	50kg
	WIFI Frequency	2.4GHz
	Max WIFI Distance	50 m(without any physical obstacle)
Cable Length	50m/100m/150m	

	Charger Input	100-240VAC
	Charger Output	12.6V/2A
	Charging time	3 hours
Remote Controller	BLE version	4.0 and above
	Operating System	IOS 7+ / Android 3.2+ / MAC / WINDOWS
	Operating Frequency	2.4GHz
	Operating Time	10H
	Operating Temperature	0°C ~ 40 °C
	Transmitting Distance	≤ 8m
	Camera	CMOS
Lens		1/2.3 inches
Focus		30cm focus, FF
ISO Range		445
Shutter Speed		1/30S
IRIS		F2.5
Picture Max Resolution		8M 3840*2160 16:9
Picture Type		JPEG
Video Recording Resolution		4K UHD 3840*2160 30fps; 1080P 30fps
Live Streaming Resolution		480P/720P/1080P
Video Max Code Flow		2Mbps(LIVE) / 8Mbps(storage)
Video Type		MP4: H264/H265
SD Card Storage		32G
Recording Time		2H
FOV(Field of View)		160 °
Filter		650nm±10 (TBD)
Filter Diameter		φ60mm
Correction Filter		Yes
Correction Filter Type		For Blue Water & for Green Water - 5~21m
		Lens anti-shake
LED Light	Light Beam Angle	120 °
	Temperature	4500K
	Dimming	Yes
Sensor	IMU	6 axis gyro & accelerometer + 3 axis Compass
	Depth Sensor Precision	+/- 0.2m
	Temperature Sensor Precision	+/- 0.5°C
	Roll/Pitch Sensor Precision	+/- 1 °
	Yaw Sensor Precision	+/- 1.5 °
APP	Mobile APP	Yes
	Beautify function	/
	live broadcasting	/
	social sharing	/
	Required operating systems	IOS 9.0 + / Android 5.0 +

Product List		Drone/Buoy/Charger/cable/user manual/counterweight
Optional Accessories		1: robotic arm 1DOF(Multi-claw multifunctional kit) (Claw opening and rotating)