



Vehicle

Weight in Air	6.5 kg
Dimensions	306, 306, 270 mm
Depth Rating	125 m
Max Speed	1.25 m/s
Battery Life	3 hrs - 4hrs (6 hrs - 8 hrs with a Second Battery Pack)
Bumper Frame Material	HDPE
Enclosure Materials	6061-T6 Aluminum / Optically Clear PC
Ballast System	750g

Camera

Sensor	1/2.9" SONY IMX322
Video Streaming Resolution	Full HD 1080P (30fps), HD 720P (30fps)
Recording Format	MP4, JPEG, H264
Lux Level	0.01
FOV	Horizontal 150° / Vertical 250°
Vertical Actuated Rotation	180°
Optional Upward Facing Camera Spec	B/W, 0.01 Lux
Variable Intensity LED Array	5,000 Lumens



Thruster

Max Thrust Force	2.5 kgf
Max Reverse Thrust	2.3 kgf
Minimum Thrust Force	0.005 kgf
RPM	300-5,000 Rev/min
Max Power	175 Watts
Voltage	18-36 V
Max Current	7 A
Weight in Water	125 g

Sensors

9-Axis IMU, Depth, Water & Internal Temperature, Leak & Humidity, System Voltage & Current, Magnetic Power Switch

Battery

Capacity	6,600 mAh
Voltage	25 V
Recharge Time	1 hr

Tether

Diameter	4 mm
Length	30 m-250 m
Working Strength	30 kg
Breaking Strength	100 kg
Buoyancy	Neutral in Fresh Water
Conductors	Twisted Pair



Interface

Camera	Full HD Photo Capture, Full HD Video Recording
Precision Assistance	Auto-Depth, Auto-Heading, Camera Auto-Pitch
Vehicle Performance Adjustments	Max Speed in 5 axes, Individual Thruster Control, PID Gain of Vehicle Motion
Supported Operating Systems	iOS Tablet, Linux (SeaDrone API)
Communication Interface	WiFi, Ethernet
Communication Protocol	UDP
Control Input	iOS Tablet (Touch Panel), Linux (PS2 Joystick)