

# SEADRONE INSPECTOR

POWERFUL SUBSEA INFRASTRUCTURE INSPECTION SYSTEM



Weighing only 6 kg, SeaDrone can be easily carried and controlled by a single operator. Outfitted with 5 thrusters and coupled with SeaDrone's omnidirectional drag design, SeaDrone INSPECTOR enables extremely smooth horizontal control. Simply download our app and SeaDrone is ready to dive within seconds. Automated vehicle stabilization and integrated sensors allow for effortless and intuitive piloting. Capture Full HD video with the help of SeaDrone's smart camera motions. Document your inspection task with photos, video, and audio notes stored and organized directly on the tablet interface.

## REPLACE VS. REPAIR

Do not waste time repairing or maintaining your underwater thrusters. SeaDrone thrusters have been designed to be easy and affordable to replace.

## AUTO DEPTH & AUTO HEADING

Focus on capturing the footage you want and not piloting the robot. SeaDrone's precise Auto Depth and Auto Heading system simplifies the vehicle's control.

## 1.5 KNOT CURRENTS

SeaDrone Inspector has been designed to have a symmetric thrust to drag profile. SeaDrone's vectored thrusters and high thrust-to-weight ratio puts you in control.



## VIDEO STABILIZATION

SeaDrone dynamically regulates the camera's pitch angle to help reduce oscillations when piloting the robot and capturing footage.

## CUT DOWN YOUR MISSION TIME

Our user studies show that on average operators using SeaDrone have 10x less control inputs to maneuver into position. Getting the job done faster translates both to savings and less operator fatigue.

## 15 MINUTES

SeaDrone Inspector comes ready to dive. Download the app, plug in the tether, and turn on the wifi router and robot and you are ready to go!

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## Vehicle

Weight in Air	6kg
Dimensions	306, 306, 270 mm
Depth Rating	100m
Max Speed	1.0 m/s
Battery Life	3-4 hrs.
Bumper Frame Material	HDPE
Enclosure Materials	6061-T6 Anodized Aluminum / PC
Ballast System	750 g

## Camera

Sensor	1/3" CMOS OV2710
Video Streaming Resolution	Full HD 1080P (30fps), HD 720P (60fps)
Recording Format	MP4, JPEG
Lux Level	0.05
FOV	Horizontal 150 degree / Vertical 250 degree
Vertical Actuated Rotation	180 degrees
Variable Intensity LED Array	5,000 Lumens

## Tether

Diameter	4 mm
Length	50-250 m
Working Strength	30 kg
Breaking Strength	100 kg
Buoyancy	Neutral in Fresh Water

## Sensor

9-axis IMU, Depth, Water and Internal Temperature, System Voltage & Current, Magnetic Power Switch

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