

# KINGFISHER™

UNMANNED SURFACE VESSEL



## A PORTABLE AND AGILE AUTONOMOUS MARITIME RESEARCH VESSEL.



### OUT-OF-THE-BOX AUTONOMY.

Kingfisher provides reliable autonomy out-of-the-box. Using an intuitive map-based controller and state-of-the-art autonomous control software, Kingfisher is ready for unmanned missions on day one.

### BUILT FOR RAPID PROTOTYPING.

Your application and requirements are unique. We understand. With a modular and expandable system architecture, Kingfisher can easily integrate payloads ranging from tactical surveillance to environmental sensing.

### UNPRECEDENTED EASE OF USE.

Unlike other unmanned surface vessels, Kingfisher can be transported, deployed and retrieved by one person; without tools and in minutes. Your field staff will love how easy Kingfisher is to operate.

#### A FEW OF THE INNOVATIVE FIRMS WHO USE OUR ROBOTS



Contact us today for pricing and a free 30 minute technical assessment: **1-800-301-3863**

# TECHNICAL SPECIFICATIONS



**DIMENSIONS DEPLOYED** (LxWxH) 1.30x0.94x0.34 m  
51.2x37.0x13.4 in

**DIMENSIONS STORED** (LxWxH) 1.30x0.55x0.34 m  
51.2x21.6x13.4 in

**WEIGHT** 29 kg  
64 lbs

**RATED PAYLOAD** 10 kg  
22 lbs

**MAXIMUM SPEED** 3.3 kn  
1.7 m/s

**DRAUGHT** 150 mm  
5.9 in

**BATTERY PACK** NiMH 14.4V 40Ah  
3 hrs life

**DRIVE POWER** 200 W peak  
270 N Thrust

**RECHARGE TIME** 10 hrs

**COMMUNICATION** USB, Ethernet,  
RS232

**PROPULSION** Water Jet  
(Electric)

**ENVIRONMENTAL** IP 66  
-10 / +30 °C

**SENSORS** HAZARD CAMERA,  
GPS, IMU

**DRIVERS/APIs** ROS, C++,  
MOOS-IvP

**CONTROL MODES** TELE-OP.  
SEMI-AUTON.  
FULL-AUTON.

## SAMPLE APPLICATIONS

### AUTONOMY RESEARCH



Kingfisher is designed with a scalable and open architecture making it the ideal platform for researching, developing and testing novel unmanned surface vessel control strategies.

### HARBOR SURVEILLANCE



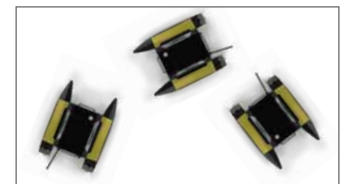
By simply adding any common intelligence, surveillance and reconnaissance (ISR) payloads, Kingfisher morphs into a powerful tactical ally for harbor defense.

### HYDROMETRIC SURVEY



Collecting hydrometric data using Acoustic Doppler Current Profilers (ADCPs) becomes an automated breeze with Kingfisher and our hydrometric control software.

### MULTI-ROBOT SYSTEMS



A single operator can control many Kingfishers via a rugged mobile operator control station that uses a scalable outdoor network communication infrastructure.

## CONTACT US FOR MORE INFORMATION

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