

# HERON™

## UNMANNED SURFACE VESSEL



**A PORTABLE AND AGILE  
AQUATIC RESEARCH VESSEL.**



### **BUILT FOR RAPID PROTOTYPING.**

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

### **RUGGED, RELIABLE RESEARCH PLATFORM.**

Heron bulkheads and propulsion systems are built for field use. Enclosed thrusters protect impellers from weeds and ground contact. Instruments and onboard computer are weather rated and accessible via water-proof connectors.

### **UNPRECEDENTED EASE OF USE.**

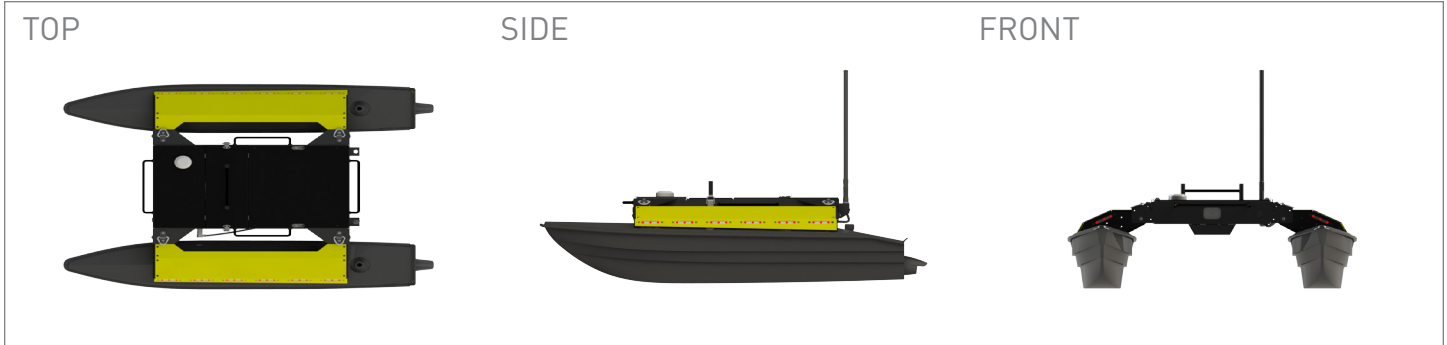
Unlike other unmanned surface vessels, Heron can be transported, deployed and retrieved by one person; without tools and in minutes. Your field staff will love how easy Heron is to operate.

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



<b>DIMENSIONS DEPLOYED</b> (L x W x H)	1350 x 980 x 320 mm (53.2 x 38.6 x 12.6 in)	<b>DRAUGHT</b>	120 mm (4.7 in)	<b>PROPULSION</b>	Water Jet (Electric)
<b>DIMENSIONS STORED</b> (L x W x H)	1350 x 560 x 330 mm (53.2 x 22 x 13 in)	<b>BATTERY PACK</b>	NiMH 14.4V 29Ah 2.5 hrs life	<b>ENVIRONMENTAL</b>	IP 65 - 10 / +30 °C
<b>WEIGHT</b>	28 kg (62 lbs)	<b>DRIVE POWER</b>	70 W peak 40 N Thrust	<b>SENSORS</b>	GPS, IMU
<b>RATED PAYLOAD</b>	10 kg (22 lbs)	<b>RECHARGE TIME</b>	8 hrs	<b>DRIVERS/ APIs</b>	ROS, C++, MOOS-IvP
<b>MAXIMUM SPEED</b>	1.7 m/s (3.3 kn)	<b>COMMUNICATION</b>	Ethernet, RS232	<b>CONTROL MODES</b>	TELE-OP. PROGRAMMABLE. GPS NAVIGATION ( ↑ available)

## SAMPLE APPLICATIONS

### AUTONOMY RESEARCH



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

### HARBOUR SURVEILLANCE



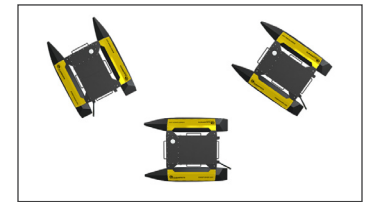
By simply adding any common **intelligence, surveillance and reconnaissance (ISR)** payloads, Heron morphs into a powerful tactical ally for harbor defense.

### ENVIRO-MONITORING



Heron is ideal for **bathymetric surveys and ecosystem assessment**. Load it up with sonar, magnetometers, water quality sensors and samplers. GPS telemetry is available to geo-locate data.

### MULTI-ROBOT SYSTEMS



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

## CONTACT US FOR MORE INFORMATION

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Don't forget to find us online:

