

KINGFISHER™

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, Kingfisher can easily integrate payloads ranging from tactical surveillance to environmental sensing.

RUGGED, RELIABLE RESEARCH PLATFORM.

Kingfisher 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, 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

UNIVERSITY OF
WATERLOO



UNIVERSITY OF
TORONTO



Massachusetts
Institute of
Technology

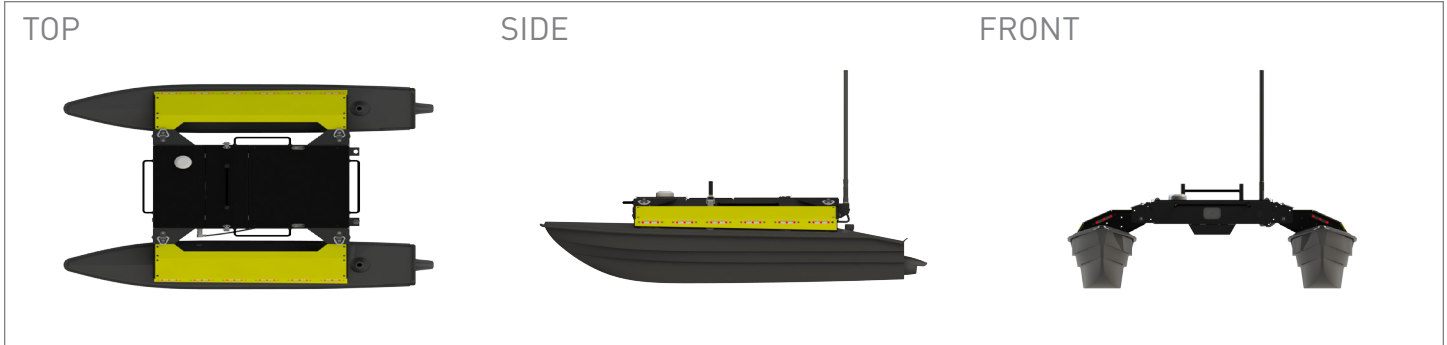


YORK
UNIVERSITY



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

TECHNICAL SPECIFICATIONS



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

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.

HARBOUR SURVEILLANCE



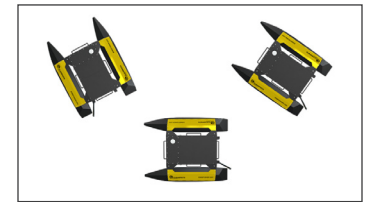
By simply adding any common **intelligence, surveillance and reconnaissance (ISR)** payloads, Kingfisher morphs into a powerful tactical ally for harbor defense.

ENVIRO-MONITORING



Kingfisher 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 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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Don't forget to find us online:

