

IRI DRONE



Shift's Incident Reconnaissance and Intelligence (IRI) drone package integrates a suite of payloads with CiMS software providing a complete system to gather and disseminate high-quality data. Users can quickly comprehend their maritime domain with a host of data types, including visual and infrared cameras, air quality sensors, and a water sampling kit. Integrate aerial operations with the real-time CiMS dashboard by combining critical information from aerial, surface, and subsea domains into a sharable map-based visualization system.

KEY BENEFITS

- ✓ REAL-TIME DATA & VIDEO
- ✓ TESTS AIR & WATER QUALITY
- ✓ AVOIDS POSSIBLE HAZARDOUS SITUATIONS FOR PERSONNEL

APPLICATIONS

- Spill Response
- Search and Rescue
- Bilge Water Detection
- Water Sampling
- Volume Estimations
- Non-Destructive Testing
- Real-Time Current Mapping



PRODUCT SPECS

ELECTRICAL

Battery Power	52.8V (TB60 Battery x2)
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PHYSICAL

Dimension	87 cm x 67 cm x 43 cm
Weight	6.3 kg (base UAV plus H20T)
Weather Protection	IP45
Operating Temperature	-20°C to 50°C
Max Wind Resistance	12m/s
Max Airspeed	17 m/s / 23 m/s
Max. Flight Time	55 minutes

SENSORS & COMPONENTS

Camera	H20T, Quad-Sensor Thermo Optical
Payloads	Air Quality (Real-time), Water Quality