



# ROMULUS™ 7

## Extend Mission Reach. Reduce Risk.

ROMULUS™ 7 is a compact, man-portable unmanned surface vessel (USV) engineered for rapid deployment and modular mission configuration. Designed for expeditionary and special operations use, it emphasizes affordability, all-electric propulsion, and enhanced seakeeping, while offering a flexible open architecture for payloads, sensors, and communications systems.

Part of the ROMULUS™ family of USVs, the 7-foot platform delivers a balanced combination of speed, endurance, and payload capacity to support distributed maritime operations. A modular deck, standardized interfaces, and integrated power and data buses enable rapid integration of mission-specific payloads, allowing operators to tailor the system to the diverse mission requirements listed below.

### Mission Application

- RF-acoustic communication relay to bridge the air-water interface
- Intelligence, Surveillance, Reconnaissance (ISR)
- Bathymetry and hydrographic survey
- Electronic warfare and signals operations
- Payload delivery and extraction
- Vessel interdiction and maritime security



### Advantages

- Rapid deployment from shore or small boats
- Low lifecycle cost
- Open architecture
- Standardized payload interfaces
- REMUS interoperability

### Features

- **Speed:** Cruise 14 kt; Sprint 19 kt.
- **Endurance:** Cruise 4+ hrs, Loiter 24+ hrs, and 30+ nm operational range
- **Payload:** 60 lb capacity; 4.6+ cu ft volume; includes Mod Payload Interface
- **Communications:** Line of Sight (LOS)/Beyond Line of Sight (BLOS)
- **Navigation modes:** Waypoint, Line Follow, Loiter, RC
- **Energy:** All-electric architecture; 9 kWh Li-ion battery
- **Interfaces:** Regulated payload rails (12V/150W; 28V/360W), multiple Ethernet LAN/WAN ports, DC-blocked GPS feed, gland passthrough for through-deck routing

## ODYSSEY®

ADVANCED AUTONOMY SOLUTIONS

The ROMULUS™ 7 is integrated with Odyssey™ to provide advanced perception, sensor fusion, and multi-vehicle collaborative behaviors.



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# ROMULUS™ 7

## Specifications

Category	Specification
Dimensions (L x W x H)	80 in x 27 in x 28 in
Nominal weight	180 lbs
Loaded weight	250 lbs
Speed	Cruise 14 kt; Sprint 19 kt
Operational range	30+ nm
Endurance	Cruise 4+ hrs; Loiter 24+ hrs
Seakeeping	Sea State 3+; Self-righting hull, COLREGS, AIS, RX, and Obstacle Avoidance
Energy system	All-Electric; 9 kWh Li-ion battery
Payload capacity	60 lbs
Payload volume	4.6+ cu ft
Payload power rails	Rail 1: regulated 12V / 150W; Rail 2: regulated 28V / 360W
Payload connectivity	2x Ethernet LAN (12V / 36W); 1x Ethernet LAN (12V / 120W); 1x DC-blocked GPS feed; 3x Ethernet WAN (28V / 84W)
Payload standard	Mod Payload Interface
Communications	LOS (Wi-Fi; MANET); BLOS (Starlink; Iridium); Acoustic Modem; IP Radios; USBL
Navigation mode	Waypoint; Line Follow; Loiter; RC
Autonomy	HII Odyssey Autonomy & Odyssey Mission (open architecture)

Note: Specifications projected and subject to change; custom voltages available upon request.



### About HII

HII is a global, all-domain defense provider. HII's mission is to deliver the world's most powerful ships and all-domain solutions in service of the nation, creating the advantage for our customers to protect peace and freedom around the world. As the nation's largest military shipbuilder, and with a more than 135-year history of advancing U.S. national security, HII delivers critical capabilities extending from ships to unmanned systems, cyber, ISR, AI/ML and synthetic training. Headquartered in Virginia, HII's workforce is 44,000 strong.



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