



**L3HARRIS®**  
FAST. FORWARD.

# SHADOW FOX AUTONOMOUS SURFACE VEHICLE

## Intelligent, Persistent Surveillance

Shadow Fox is the latest-generation Autonomous Surface Vehicle (ASV). Shadow Fox is a 13-meter (41-foot) long high-speed, multi-purpose ASV capable of operating beyond-line-of-sight for prolonged periods. The platform can host a variety of payloads to support a range of applications. Shadow Fox can operate Unmanned Aerial Vehicles (UAVs) from its aft deck to increase communications range and enhance situational awareness. The platform is able to relay information including full motion video back to its command and control (C2) node and is capable of communicating via UHF/VHF, Satcom, 4G and Wi-Fi. The C2 node can be integrated into the ship or shore side C2 systems or can be provided as a portable setup.



### KEY FEATURES

- > Capable of manned and completely autonomous covert and overt operations
- > Outfitted with a wide range of passive and active sensors
- > Delivers persistent beyond-line-of-sight operations
- > Uses a variety of communications bearers
- > Capable of operator handover and multi-station
- > Operated using the reconfigurable ASView® autonomous control system
- > Capable of underway re-tasking
- > Option to be outfitted with a range of kinetic effectors such as line-of-sight missiles, miniature loitering munitions or remote weapons stations
- > C2 system can be incorporated into the ship and shore combat management system along with a portable option
- > Provides live full motion video to both shore-based and the ship C2 control station
- > Operates individually or as part of a swarm



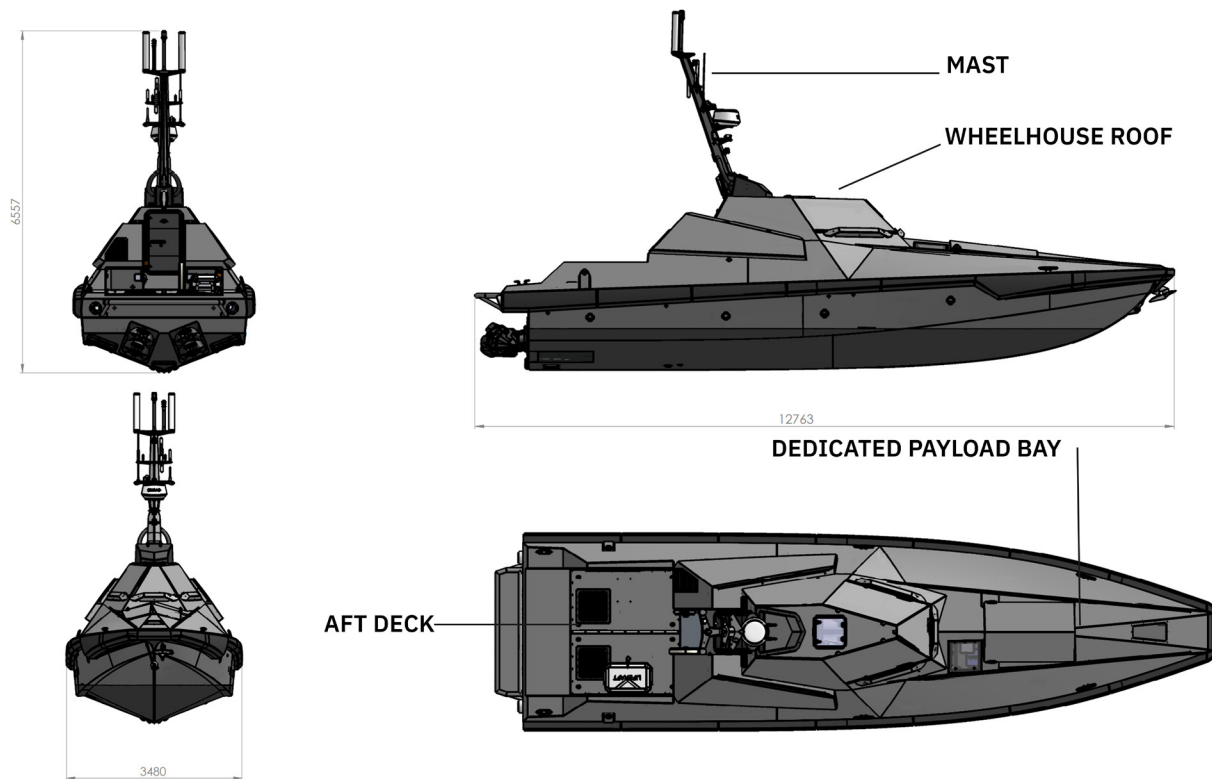
### APPLICATIONS

- > Maritime domain awareness
- > Intelligence, surveillance, targeting and reconnaissance
- > Anti-submarine warfare
- > Area protection
- > Force protection
- > Surface warfare
- > Communications relay
- > Combat search and rescue
- > Choke-point monitoring
- > Amphibious precursor and support operations
- > UAV forward operations
- > Insertion operations support
- > Maritime mine counter measures force protection
- > Swarm attack protection
- > Battle damage assessment

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## SHADOW FOX

Length	12.7 m (41.6 ft)
Beam	3.5 m (11.4 ft)
Draft	0.7 m (2.2 ft)
Height	6 m (19.6 ft)
Weight	10,000 kg (22,046.2 lbs)
Propulsion	2 x Cummins QSB, 6.7 inboard engines (550 hp each) with Hamilton 292 waterjets
Speed	40+ knots
Satellite Communications	IP mesh radio / Wi-Fi / 4G
Fuel Capacity (diesel)	1,500 L (329.9 gal)
Control	ASView-8 direct or automated control
Payload Capacity Forward - Up to 940 kg (2072.3 lb)	1.5 m x 1 m (4.9 ft x 3.2 ft)
Payload Capacity Aft - Up to 940 kg (2072.3 lb)	2.6 m x 2.1 m (8.5 ft x 6.8 ft)
Payload Interfaces	2x PoE and 20-way general purpose input/output 19" rack
Payload Power Forward	5 kW for AC and 1.4 kW max DC
Payload Power Aft	5 kW for AC and 1.9 kW max DC
Transportation	Road transportable via a low loader lorry



### ShadowFox

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