

MILITARY VESSEL

SWIFT SEA-STALKER (S3)

LOA

<20ft
(<6.1m)

BEAM

6'
(1.82m)

DRAFT

6' 6"
(1.98m)

SPEED

30 knots

RANGE

1,000 nautical miles
(1,852 km)

FUEL CAPACITY

400 gal.
(1514.16 L)

OVERVIEW

Swift Sea-Stalker (S3) is an Unmanned (Remote or Autonomous) Small Unmanned Surface Vehicle (sUSV) with high endurance, a robust aluminum hull, and a heavy-duty no.2 diesel engine available in two different propulsion packages using Propeller and Water jet-based systems. In addition, the following are the key capabilities:

S3 PACKAGE

- **Sensors:** Radar/EO/GPS/AIS/Satellite Comms (COTS)
- **Autonomy:** Capable [Swift or Client Specified]
- **Self-Scuttling:** No Capture by Adversaries Capability
- **RCA:** Low Profile Vessel (LPV)
- **Detection:** Reduced Cross-section Area (RCA)
- **Transportable:** ISO container (20'), Air/Helo or Sea
- **Payload:** 1500lb Max with a 1000 +NM @ Cruising Speed

TECHNICAL SPECIFICATION

- **LOA:** <20ft with a 6ft Beam
- **Speed:** 30 Knots
- **Range:** 1,000 NM
- **Fuel Capacity:** 400 Gallons
- **Main Engine:** Yanmar, 4LV230 @230hp [3800 RPM]
- **Generators:** Hill Jets, HIJet 400 @600hp [1500 RPM]
- **Propulsors:** Yanmar LTZ370 (drive-unit)

SENSORS (EO/IR):

- **Radar:** Solid-State w/Target Analyzer [Furuno DRS2DNXT]
- **AIS:** Transceiver [Furuno FA70]
- **Compass:** Satellite [Furuno SCX20]
- **Sonar:** Multi-Beam [Furuno DFF3D]
- **Communication:** High-Speed [KVH TracNet H30]
- **Cameras:** Low-light, HD-Night Vision [FLIR M364C]

OTHER KEY ATTRIBUTES

- **Hull:** Rugged 5086 Marine Grade Aluminum
- **Sea-State(SS):** Operate/Survive (3-4)
- **Equipment:** All Systems except Autonomy is COTS
- **Production:** Rapid Manufacturing Capability (15-20 craft/month)
- **Transportable:** Deployable from Air/Sea/Land
- **Maintainability:** TOC minimal due to COTS Systems
- **Watertight:** Hull cannot sink unless intentionally scuttled
- **Stability:** High SS survivability with optional Outriggers

