# MILITARY VESSEL SWIFT SEA-STALKER (S3)

**LOA** <20ft (<6.1m)

A BEA 6' m) (1.82m)

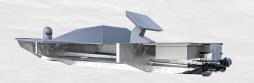
**BEAM** 6' 6' 6'' (1.82m) (1.98m) SPEED 30 knots RANGE 1,000 nautical miles (1,852 km) FUEL CAPACITY 400 gal. (1514.16 L)

#### **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

