

14 METER SC-1: SWIFT CHALLENGER

UNMANNED AND MANNED CAPABLE
SURFACE AND EXPEDITIONARY WARFARE

The SC-1 is a Small Unmanned (remote or autonomous) Surface Vehicle (sUSV) with high endurance, a robust aluminum hull, and a heavy-duty no. 2 diesel engine available in out-drive or water jet systems. It complies with NATO Standardization Agreements (STANAG) 4586 and the USN Joint Architecture for Unmanned Systems (JAUS) protocols.

LENGTH	BEAM	DRAFT	SPEED	ENDURANCE
46 ft. (14m)	14.5 ft. (4.4m)	2.0 ft. (0.6 m)	45 knots	40+ hours



14 METER

SC-1: SWIFT CHALLENGER

SPECIFICATIONS



CHARACTERISTICS

- **Length:** 46 ft. (14m)
- **Beam:** 14.5 ft. (4.4m)
- **Draft:** 2.0 ft. (0.6 m)
- **Speed:** (@Range of 400 NM): 45 knots
- **Fuel Capacity:** 800 Gal (3,028.3 L)
- **Endurance:** 40+ hours
- **Payload:** 7.7 Ton (Modular/Multi-payload flexibility)
- **Potable Water:** 80 Gal (302.8 L)

MACHINERY

- **Engine:** 2xVolvo D13-700 [2,300 RPM]
- **Propulsion:** 2xHJ (HJX27) [353 kW]
- **Generator:** 3kW (optional)

ELECTRONICS

- **Radar:** SIMRAD [Part# HALO 24]
- **NAV:** Vector Navigation [Part# VN-300]
- **AIS:** Sitex [DA-2]
- **GPS:** TE Connectivity [ANT-SH2-SMA]
- **Comms:** Starlink BLOS
- **Camera:** FLIR Low-light, HD-Night, Vision [FLIR M364C]
- **Antenna:** L-COM [HG2406DPU], Shakespeare [5912]

ARMAMENTS

- **Gun:** (2) .5 cal./ Dillion MG
- **Payload:** Up to 10,000 lbs.
- **UAS:** Compatible

OTHERS

- **Hull:** 5086 Marine Grade Aluminum
- **Sea-State (SS):** Operate/Survive (4-5)
- **Production:** Rapid Manufacturing Capability (5-8 crafts/month)
- **Transportable:** Air, Sea, or Land
- **TRL:** 9 (Craft), and 7 (Technology)
- **Watertight:** Hull cannot sink unless intentionally scuttled
- **Stability:** Outriggers [prd/sttbd]

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Vessel
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>120
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