

MILITARY VESSEL

10 METER LUC-E Littoral Unmanned Craft-Expeditionary



LOA	Length	Beam	Draft	Speed	Range	Other Specs
35 ft (10.6m)	45.42 ft. (13.84m)	8.1 ft (2.5m)	2.9 ft. (0.9m)	20 knots	450 NM at 30 knots	Fuel Capacity: 426 Gal (1,612.6 L) Weight: 12,000 lbs. (5,443.1 kg)

OVERVIEW

The Swift LUC-E is a multi-domain war fighting USV designed to meet the USN Joint War fighting Concept requirements for enhancing force protection, power projection, area denial, and anti-landing operations. It is capable of rapid response in contested maritime environments, choke points, straits, and confined seas within the CENTCOM and INDOPACOM theaters of operations. The LUC-E is extremely agile, highly survivable, and capable of high speed. Its modular and well-thought-out design ensures scalability and cost-effective solutions.

Swift LUC-E features a V-shaped, monohull aluminum design, and is a small unmanned vessel (remote or autonomous) with a low signature, muffled engine, EM shielding, and configurable special paint. It offers high speed and endurance, is equipped with a .50 cal or 7.62 (Dillon) Remote-Controlled Weapon System (RCWS), and supports UAV/UUV/torpedo/mine payload deployments of up to 8 tons at 25 knots. A Sea keeper 2 gyro stabilizer enhances operational stability. It is available as a kit or fully assembled.

MACHINERY

- **Engines:** 2x Fiat Engine [3,200 RPM]
- **Propulsion:** 2xHJ (HJX27) [353 kW]
- **Generator:** 3kW (optional)

SENSORS/ 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]

SPECIAL OPTIONS

Our LUC-E can be outfitted with Two (2) Mk 48 Torpedoes or One (1) Mk 32 (3x) Tubes for Mk 46 Torpedoes + payloads (145x80x40 inches), In addition, it can be equipped for Minehunting and Electronic Warfare (4Kw) Electromagnetic Spectrum Operations (EMSO).

ARMANENTS

- Payload Capacity:**
- 20,000 lbs.
- Compatible Weapons:**
- Mk 48 or Mk 46 Torpedoes
 - Mines (10 x 450 lbs each)

OTHER

- **Hull:** 5086 Marine Grade Aluminum
- **Sea-State(SS):** Operate/Survive (3-4)
- **Production:** Rapid Robotic Manufacturing Capability (3 craft/month)
- **Transportable:** Air, Sea, or Land
- **TRL:** 9 (Craft), and 7 (Technology)
- **Stability:** Outriggers [prd/sttbd]

