OCEANSLED® SERIES

RANGER

The *OceanSled® Ranger* is the latest evolution of the *OceanSled* platform—an advanced, military-grade uncrewed surface vehicle (USV) engineered for defense operations in contested littoral environments. Built for rugged conditions and modular tasking, *Ranger* supports remote and autonomous control for ISR, C-UAS, vessel interdiction, and asset inspection. The *Ranger* platform supports state-of-the-art sensors, real-time data transmission, and flexible payload integration. *Ranger* is a mission-ready solution for near shore logistics and maritime intelligence operations.

KEY BENEFITS

ENHANCED DOMAIN AWARENESS: When integrated with C4-ISR software such as Shift's CiMS™ platform and a mission-configurable sensor suite, the Ranger delivers real-time ISR across contested maritime zones. Its secure, interoperable architecture ensures critical intelligence is rapidly transmitted to command elements—accelerating decision cycles and enabling precise, time-sensitive actions.

OPERATOR-FOCUSED, EFFICIENT AND USABLE: The *Ranger* is built for ease of use in the field and at remote command stations, with an intuitive interface that reduces training time and operator burden. Its uncrewed design supports extended mission durations while minimizing personnel exposure and logistical overhead.

MULTI-MISSION FORCE MULTIPLIER: The Ranger's modular design supports rapid integration of payloads—including ROVs, UAVs, and advanced sensors—enabling it to execute ISR, interdiction, inspection, and logistics missions from a single platform. This versatility reduces asset requirements and extends mission effectiveness.

FEATURES

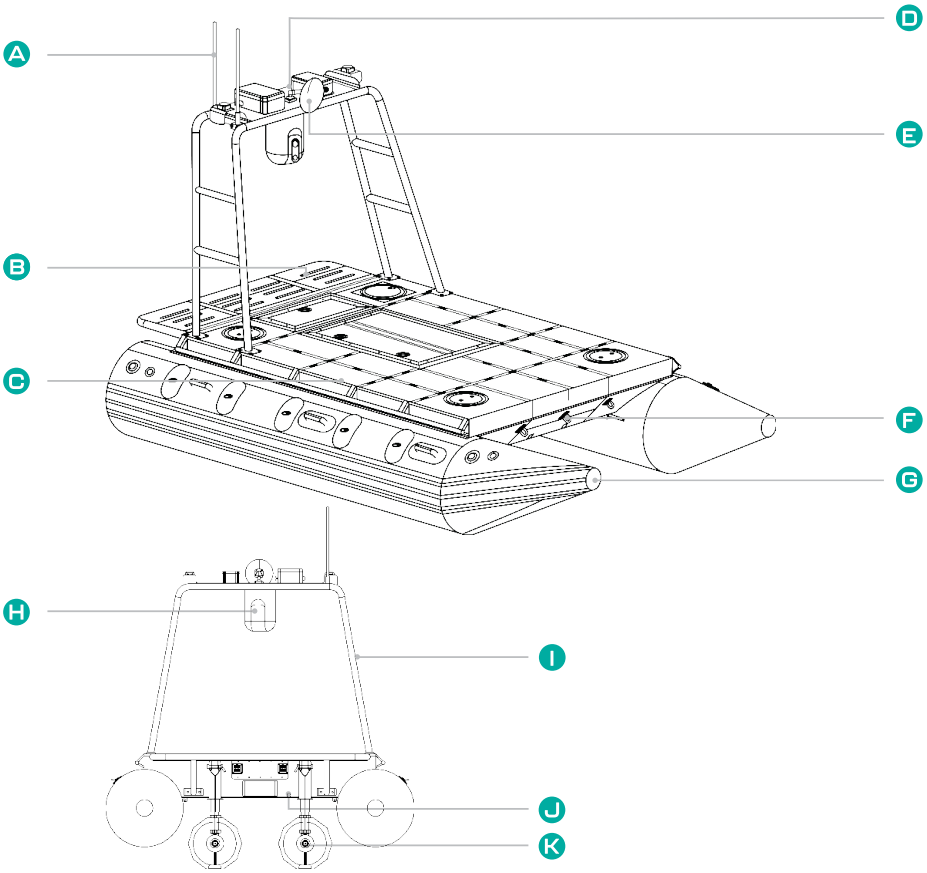
- High Payload Capacity
- Optimized for Littoral & Inland Waterways
- Universal sensor integration, aerial, surface, and subsurface
- Interoperable with universal ground control stations
- Designed for Integration to NATO/STANAG
- Local control or Cloud based IP control
- Mesh radio and swarm capable
- Secure Real-Time Data Link
- Joint Operations Across Classified & Unclassified Networks

OPERATIONS

- ISR Screen for Capital Ships
- Counter UxS
- One way payload
- ASW using towed acoustic array & sonobuoys
- ATOL platform for UAV
- UUV topside support
- Sonobuoy deployment
- Covert Forward Force Protection
- Ship-to-Ship / Ship-to-Shore Logistics Support

CONTINUED ON BACK SIDE

COMPONENTS



- A Communications Link
- B Extendable Payload Deck
- C Attachment Rail
- D Positioning Module
- E Long Range Microphone
- F Tow Points
- G Hot Swappable Pontoons
- H Stabilized EO/IR PTZ
- I Sensor Arch Frame
- J Deck Drain
- K Kinetic Release Thruster

PRODUCT SPECS

ELECTRICAL

Battery Power	48V LiFePO4 Mission Configurable

PHYSICAL

Length Overall	3.7m (12'14")
Length On Deck	2.3 m (7'5") ext 2.8m (9'1")
Beam	2.2 m (7.4')
Deck Area	3.8m² (41ft²) ext 4.6m² (50ft²)
Displacement	280 Kg (616 lbs)
Operating Temperature	0–40°C
Max Speed	12 knots (22 km/h)
Max Payload	300 kg (661 lbs)

BASE SYSTEM COMPONENTS

Propulsion	Thrusters 2x Cruise 6.0 FP 6kW
Lights	Transport Canada Compliant Navigation Lights
Auto-Pilot	3 x IMUs, 2 x Barometers
Handheld Controller	UXV Technologies ruggedized GCS
Camera	FLIR M364C EO/IR PTZ
Field Control Center	Custom Pelican Case with full featured PC and Controller

OPERATIONAL

Launch & Recovery	Ship, Shore, Aerial
Transport	Trailer, Container
Sea State	5+