

UNMANNED SURFACE VESSEL

Enabling Safer, Smarter Marine Operations



AUTONOMOUS CAPABILITIES

AUTONOMOUS ELECTRONICS & SENSORS

- Global Positioning System (GPS) / Automatic Identification System (AIS) / Inertial Navigation System (INS)
- 225° vision cameras
- Navigation Radar (3 feet)

NAVIGATIONAL INTELLIGENCE SYSTEM

- Dual-bus Architecture for High Availability (option)
- Hot Standby in Master / Slave Configuration (option)
- Perception Sensor Fusion System
- Guidance & Control System
- Reactive Obstacle Encounter Processing & Obstacle Avoidance System

SHORE CONTROL

- Mission Planning
- Rate-based steering commands for payloads and vehicle
- Goal-based Vehicular & Payload Control
- Immediate man-take-over control of vessel

COMMUNICATIONS

- Supports commercial LOS point-to-point communications infrastructure
- Supports commercial relay architecture



VESSEL INFORMATION	
Type of Ship	USV
Length Overall	9.00 m
Length Water Line	9.95 m
Beam	2.40 m
Draft	0.45 m
Main Engine	1 x 425 BHp
Propulsion System	Waterjet
Builder	Tesco Indomaritim

PAYLOADS
LRAD
Search Light
Electro-Optics
360 Vision Cameras
Radar

OTHER APPLICATIONS
Harbour Security
Illegal Fishing Enforcement

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