

Advanced Unmanned Surface Vessel

Pacific 24 Mk IV

BAE Systems has developed an advanced system upgrade for its Pacific 24 Mk IV sea boat that provides a versatile unmanned capability. This allows vital tasks such as reconnaissance, surveys, maritime security, force protection and support to manned boardings to be carried out while keeping crew safely out of harm's way.

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Typical applications

- ISTAR (Intelligence, Surveillance, Target Acquisition and Reconnaissance)
- Force protection
- Maritime interdiction and support to boarding
- Harbour patrol
- Anti-submarine warfare

Pacific 24 Mk IV details

- Length overall 7.8m
- Beam overall 2.6m
- Draught operational 1.10m
- Displacement dry 3,000kg
- Displacement operational 3,500kg
- 1 x inboard electronic self-diagnostic diesel engine fitted with capsizing equipment which resets on self-righting, improving fuel efficiency and noise attenuation
- 1 x waterjet with turbo impeller
- Core-Trax™ deck track system

Performance

- Max speed 38 knots
- 8 x shock mitigating seats - reducing crew fatigue levels and improving safety at sea.

Unmanned capability

- One-click transformation between manned/unmanned
- Extensive and flexible, human-supervised modular mission behaviours
- COLREG collision avoidance, optimised for high-speed operation
- Fail-safe watchdog safety system
- Programmable loss of communications behaviour
- Geo-fencing capability
- MAPLE™ compatible

Navigation and standard sensor fit

- Standard S57 marine charts
- AIS
- GPS
- Dual range radar
- Stabilised pan-tilt-zoom electro-optic turret
- Multi-sensor track fusion engine
- Depth-sounder
- Meteorological sensor

Communications equipment

- Marine band VHF DSC and voice radio
- L-band COFDM data radio

Payload

- Optional LRAD long range acoustic hailer
- Optional .50cal stabilised remote weapon station
- Optional Shot Detection System

For more information contact:

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