



Advanced Unmanned Surface Vessel

Pacific 24 MKIV

BAE Systems has developed an advanced system upgrade for its Pacific 24 MKIV 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 whilst keeping crew safely out of harm's way.

Typical applications

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

Pac 24 MKIV details

- Length overall 7.8m
- Beam overall 2.6m
- Draught operational 1.10m
- Draught engines up 0.8m
- Displacement dry 3,800kg
- Displacement operational 6,300kg
- Twin 370hp Volvo Penta D6 supercharged turbo diesel engines with DPH sterndrives
- Fuel capacity 600 litres (1,200 litre option)
- Core-Trax™ deck track system
- Aft payload ramp

Performance

- Max speed 47 knots
- Typical range 300nm at 30kts, 1,200nm/10 days at 5kts
- Seating capacity 2 + 6 when manned

Unmanned capability

- One-click transformation between manned/unmanned
- Extensive & 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 & 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 & voice radio
- L-band COFDM data radio

Payload

- Optional LRAD 300x long range acoustic hailer
- Optional .50cal stabilised remote weapon station



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