

MQ-9B SeaGuardian®

PERSISTENT MARITIME DOMAIN AWARENESS



Enabling Information Dominance



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MQ-9B SeaGuardian® is the maritime-focused sibling of the revolutionary SkyGuardian® remotely piloted aircraft system (RPAS) that has been missionized using “bolt-on/bolt-off” maritime sensors. SeaGuardian is designed to fly over the horizon via satellite for over 30 hours (depending on configuration) in all types of weather and safely integrate into civil airspace, enabling joint forces and civil authorities to deliver real-time situational awareness anywhere in the maritime domain—day or night. This highly versatile maritime patrol and reconnaissance aircraft can seamlessly integrate a centerline wide-area maritime radar, an automatic identification system (AIS), electronic support measures, and a self-contained anti-submarine warfare (ASW) mission kit. SeaGuardian not only integrates the most advanced maritime intelligence, surveillance, and reconnaissance (ISR) capabilities, but it is also the first RPAS in its class to enable real-time search and patrol above and below the ocean’s surface.



FEATURES

- Multi-mode 360° maritime surface search radar
- Lynx® Multi-mode Radar
- High-definition EO/IR
- Automatic Identification System (AIS)
- Dual VHF- / UHF-certified radios
- DO-178 and DO-254 design assurance for software and avionics
- Detect and Avoid System (including TCAS / ADS-B and Due Regard Radar)
- STANAG 4671-compliant type-certifiable design
- All weather capable, including de-ice / anti-ice system and lightning protection
- Fatigue- and damage-tolerant airframe; 40,000-hour service life
- Automatic takeoff and landing capability
- BLOS / Dual SATCOM command and control data link
- Open and modular payload mission management system
- Optional MQ-9B mission kits:
 - Anti-Submarine Warfare (ASW)
 - Tactical and strategic SIGINT
 - Tactical data link (Link-16)
 - Airborne Early Warning (AEW)
 - Communications gateway / relay

CHARACTERISTICS

WINGSPAN	79 ft	24 m
LENGTH	38 ft	11.7 m
POWER PLANT	Honeywell TPE331-10 Turboprop	
MAX GROSS TAKEOFF WEIGHT	12,500 lb	5,670 kg
FUEL CAPACITY	6,000 lb	2,721 kg
PAYLOAD CAPACITY	800 lb, internal 4,750 lb, external 9 external hardpoints	363 kg 2,155 kg 8 wing-mount, 1 centerline
POWER	45 kVA	
BACKUP POWER	2 kW	

MAXIMUM PERFORMANCE

ALTITUDE	40,000+ ft	12,200+ m
ENDURANCE	30+ hr	
AIRSPEED	210 KTAS	
RANGE	5,000+ nmi (depending on configuration)	