

# MQ-9B SkyGuardian®

PERSISTENT MULTI-DOMAIN AWARENESS



Enabling Information Dominance



# MQ-9B SkyGuardian®

## PERSISTENT MULTI-DOMAIN AWARENESS

MQ-9B SkyGuardian® is the next generation of remotely piloted aircraft systems (RPAS), delivering persistent intelligence, surveillance, and reconnaissance (ISR) around the globe. SkyGuardian is designed to fly over the horizon via satellite for up to 40+ hours 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 world—day or night. The aircraft is outfitted with the revolutionary Lynx® Multi-mode Radar, an advanced electro-optical/infrared (EO/IR) sensor, and automatic takeoff and landing capability, and features a longer wingspan than its predecessors at 79 ft (24 m). In addition to its industry-leading endurance and superior surveillance capabilities, SkyGuardian seamlessly integrates with its users' other platforms, systems, and podded technologies, dramatically expanding the platform's multi-domain mission set.



## FEATURES

- Lynx® Multi-mode Radar
- High-definition EO/IR
- Precision-guided munitions
- 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:
  - Multi-mode 360° maritime surface search radar
  - Automatic Identification System (AIS)
  - Anti-Submarine Warfare (ASW)
  - Tactical and strategic SIGINT
  - Tactical data link (Link-16)
  - Airborne Early Warning (AEW)
  - Communications gateway / relay

## CHARACTERISTICS

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

## MAXIMUM PERFORMANCE

<b>ALTITUDE</b>	40,000+ ft	12,200+ m
<b>ENDURANCE</b>	40+ hr	
<b>AIRSPEED</b>	210 KTAS	
<b>RANGE</b>	6,000+ nmi	