

SKYGUARDIAN

Civilian Airspace Compliant



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OBJECTIVE

Perform over-the-horizon long-endurance, medium-altitude Intelligence, Surveillance and Reconnaissance (ISR) missions.

CHARACTERISTICS

Wing Span:	79 ft (24m)
Length:	38 ft (11.7m)
Powerplant:	Honeywell TPE331-10 Turboprop
Max Gross Takeoff Weight:	12,500 lb (5670 kg)
Fuel Capacity:	6,000 lb (2721 kg)
Payload Capacity:	4,800 lb (2177 kg) across 9 hardpoints (8 wing, 1 centerline) 800 lb internal (363 kg) 4,000 lb external (1814 kg)
Power:	45 kVA
Backup power:	2.2 kW

PERFORMANCE

Max Altitude:	>40,000 ft MSL
Max Endurance:	40 hr
Max Air Speed:	210 KTAS

CONTROL/DATA LINKS

Line-of-Sight:	C-Band
Over-the-Horizon:	X-, Ku-, or Ka-Band BLOS Backup BLOS capable

FEATURES

- Raytheon MTS-B EO/IR
- GA-ASI Lynx Multi-mode Radar and/or 360° maritime surveillance radar
- Precision guided munitions
- VHF/UHF certified radios
- DO-178 and DO-254 design assurance for software and avionics
- De-ice/Anti-ice system
- Sense and Avoid (TCAS/ADS-B/IFF – with provisions for Due Regard Radar)
- STANAG 4671 compliant type certifiable design
- 40,000 hour design service life
- All weather capable
- Damage tolerant airframe
- Lightning protection
- Automatic takeoff and land
- Fire protected engine bay
- Other customer specific payloads

SeaGuardian Mission Kit: (Optional)

– Multimode Maritime Surface Search Radar

– Automatic Information System



Integrated Mission and Civil Certified Avionics