SKYGUARDIAN

Civilian Airspace Compliant

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

**CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>79 ft (24m)</td>
</tr>
<tr>
<td>Length</td>
<td>38 ft (11.7m)</td>
</tr>
<tr>
<td>Powerplant</td>
<td>Honeywell TPE331-10 Turboprop</td>
</tr>
<tr>
<td>Max Gross Takeoff Weight</td>
<td>12,500 lb (5670 kg)</td>
</tr>
<tr>
<td>Fuel Capacity</td>
<td>6,000 lb (2721 kg)</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>4,800 lb (2177 kg) across 9 hardpoints (8 wing, 1 centerline)</td>
</tr>
<tr>
<td></td>
<td>800 lb internal (363 kg)</td>
</tr>
<tr>
<td></td>
<td>4,000 lb external (1814 kg)</td>
</tr>
<tr>
<td>Power</td>
<td>45 kVA</td>
</tr>
<tr>
<td>Backup power</td>
<td>2.2 kW</td>
</tr>
<tr>
<td>Max Altitude</td>
<td>&gt;40,000 ft MSL</td>
</tr>
<tr>
<td>Max Endurance</td>
<td>40 hr</td>
</tr>
<tr>
<td>Max Air Speed</td>
<td>210 KTAS</td>
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**FEATURES**

- Raytheon MTS-B EO/IR
- GA-ASI Lynx Multi-mode Radar and/or 360° maritime surveillance radar
- Precision guided munitions
- VHF/UHF certified radars
- 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
  - Automatic takeoff and land
  - Fire protected engine bay
  - Other customer specific payloads

**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

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