GUARDIAN GUARDIAN

Multi-Mission Maritime Patrol Aircraft

OBJECTIVE
Performs wide-area, long-endurance maritime Intelligence, Surveillance and Reconnaissance (ISR) missions.

CHARACTERISTICS
- Wing Span: 66 ft (20m)
- Length: 36 ft (11m)
- Powerplant: Honeywell TPE331-10
- Max Gross Takeoff Weight: 10,500 lb (4763 kg)
- Fuel Capacity: 3,900 lb (1769 kg)
- Payload Capacity: 850 lb int. (386 kg)
- 3,000 lb ext. (1361 kg)
- Payloads: MTS-B EO/IR, Raytheon SeaVue multi-mode maritime radar, Inmarsat (SATCOM), Automated Identification System (AIS), SIGINT/ESM system, Dual-ARC-210 radios, Dual-Wulfsberg radios, Traffic Collision Avoidance System (TCAS)
- Power: 11.0 kVA (redundant)

FEATURES
- Triple-redundant flight control system
- Redundant flight control surfaces
- Remotely piloted or fully autonomous
- MIL-STD-1760 stores management system
- Seven external stations for carriage of payloads
- C-Band line-of-sight data link control
- Ku-Band beyond line-of-sight/SATCOM data link control
- Over 90% system operational availability
- C-130 transportable (or self-deploys)

PERFORMANCE
- Max Altitude: 50,000 ft (15240m)
- Max Endurance: 27 hr
- Max Air Speed: 240 KTAS

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