



MQ-4C Triton

*Persistent Maritime
Intelligence, Surveillance
and Reconnaissance*

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

MQ-4C Triton

Northrop Grumman's MQ-4C Triton unmanned aircraft system (UAS) provides real-time intelligence, surveillance and reconnaissance (ISR) over vast ocean and coastal regions. Supporting missions up to 24 hours, the high-altitude UAS is equipped with a sensor suite that provides a 360-degree view of its surroundings at a radius of over 2,000 nautical miles.

Triton builds on elements of the Global Hawk UAS while incorporating reinforcements to the airframe and wing, along with de-icing and lightning protection systems. These capabilities allow the aircraft to descend through cloud layers to gain a closer view of ships and other targets at sea when needed. The current sensor suite allows ships to be tracked over time by gathering information on their speed, location and classification.

Built to support the U.S. Navy's Broad Area Maritime Surveillance (BAMS) program, Triton will support a wide range of intelligence-gathering and reconnaissance missions, maritime patrol and search and rescue. The Navy's program of record calls for 68 aircraft to be built.

Key Features

- Provides persistent maritime ISR at a mission radius of 2,000 nm; 24 hours/7 days per week with 80% Effective Time on Station (ETOS)
- Land-based air vehicle and sensor command and control
- Afloat Level II payload sensor data via line-of-sight
- Dual redundant flight controls and surfaces
- 51,000-hour airframe life
- Due regard radar for safe separation
- Anti/de-ice, bird strike, and lightning protection
- Communications bandwidth management
- Commercial off-the-shelf open architecture mission control system
- Net-ready interoperability solution

Payload (360-degree Field of Regard)

- Multi-Function Active Sensor Active Electronically Steered Array (MFAS AESA) radar
 - 2D AESA
 - Maritime and air-to-ground modes
 - Long-range detection and classification of targets
- MTS-B multi-spectral targeting system
 - Electro-optical/infrared
 - Auto-target tracking



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- High resolution at multiple field-of-views
- Full motion video
- AN/ZLQ-1 Electronic Support Measures
 - All digital
 - Specific Emitter Identification
- Automatic Identification System
 - Provides information received from VHF broadcasts on maritime vessel movements

Specifications

Wingspan	130.9 ft (39.9 m)
Length	47.6 ft (14.5 m)
Height	15.4 ft (4.6 m)
Gross Take-off Weight	32,250 lbs (14,628 kg)
Max. Internal Payload	3,200 lbs (1,452 kg)
Max. External Payload	2,400 lbs (1,089 kg)
Self Deploy	8,200 nm (15,186 km)
Max. Altitude	56,500 ft (17.22 km)
Max. Velocity	331 knots True Air Speed (TAS)
Max. Endurance	24 hrs

For more information, please contact:

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