

# MQ-1C GRAY EAGLE

## UAS

Unmanned Aircraft Systems



The MQ-1C Gray Eagle Unmanned Aircraft System (UAS) will provide combatant commanders a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition (RSTA), communications relay, and attack missions (4 HELLFIRE II® missiles). Gray Eagle addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility.

The acquisition strategy has capitalized upon competitive forces, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the Department of Defense UAS Roadmap, a host of other studies, and the imperatives of Army modernization and Army Aviation Transformation. This includes a heavy fuel engine, Tactical Common Data Link technology and network connectivity that reduces information cycle time and enhances overall battlespace awareness through liberal dissemination, teaming with manned platforms, and steps toward integration of UAS into national and international airspace.

A 3,600 pound gross take off weight, Fowler flaps which improve take-off and landing performance, Automatic Take-off and Landing (ATLS) and the flexibility to operate with or without Satellite Communications (SATCOM) data links are just some of the characteristics that make this system a combat multiplier.

Wing Span	Length	Power	Weight	Payload Capacity	Payloads	Altitude	Endurance	Maximum Air Speed
56 ft (17m)	28 ft (8.5m)	Thielert 160 HP (JP8)	3,600 lb	575 lb int 500 lb ext	EO/IR, SAR/ GMTI, and Communications Relay	25,000 ft	27 hours	150 Kts



## Coming to a Theater Near You!



## **System Features**

- **Redundant Flight Controls and Avionics**
- **Dual Redundant ATLS**
- **System Operational Availability Over 80%**
- **Displacement/Emplacement in Less than Two (2) Hours**
- **Near All Weather Capability**
- **Common Ground Control Station**

## **Mission Features**

- **Integrated in the Combat Aviation Brigade within each Division**
- **Immediately Responsive**
- **Persistent Surveillance**
- **Target Acquisition, Designation, Attack, and Battle Damage Assessment**
- **Reinforce Brigade Combat Team Capabilities**
- **Heavy Fuel Engine (JP8)**
- **Manned-Unmanned Teaming**



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