

MQ-8B Fire Scout Future Combat Systems (FCS) Class IV UAV

Vertical Takeoff and Landing
Tactical Unmanned Air Vehicle



Unmanned. Unmatched.

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MQ-8B FCS Class IV UAV (Fire Scout)

Continuous C4ISR, RSTA Engagement Capability and Quick Delivery to Operational and Tactical Forces

The Fire Scout Class IV UAV provides unprecedented situational awareness, precision targeting, communications relay and unmanned logistics delivery for FCS and the Army's Future Force.

The Fire Scout system supports multidimensional air-ground operations and manned-unmanned teaming and connectivity to Army and Joint Reconnaissance, Surveillance and Target Acquisition (RSTA) and communications systems.

The Fire Scout has the ability to autonomously take off and land at unprepared and unimproved landing zones in close proximity to Corps, Division and Brigade Command Posts and Tactical Operations Centers.

Modular mission packages include an Electro-Optical Infrared (EO/IR) Sensor, a Tactical Synthetic Aperture Radar (TSAR/MTI), a communications relay package, a training sensor, Mine, Chemical and Radiological detection and a RF emissions locator. The highly reliable air vehicle is based on a COTS airframe and propulsion system. This design approach provides a robust platform to meet FCS Class IV requirements and provides the capability for growth.

With an Air Vehicle endurance of over seven hours, the Class IV UAV System, consisting of four Fire Scouts, is capable of continuous operations. The Fire Scout's EO/IR sensor and laser range finder- designator means it can quickly and accurately detect, locate, identify, track, designate targets and perform battle damage assessment. Acting as a communications node with its Joint Tactical Radio System (JTRS) and WIN-T components Fire Scout extends the effectiveness and flexibility of the C4ISR architecture.

Fire Scout as an integral part of the networked Brigade Combat Team (BCT) will enable commanders to see first, understand first, act first and finish decisively.

The MQ-8B Class IV UAV is based on the highly successful RQ-8A VTUAV System developed for the U.S. Navy, and currently in test and evaluation having successfully completed over 200 test flights since May 2002. The Army and Navy are exercising a Joint Acquisition strategy of the MQ-8B to maximize commonality between the two services.

Force Multiplier

The Fire Scout System allows for the full use of multiple onboard sensors and payloads for Over the Horizon Targeting, Communications Relay, Threat Detection, Intelligence Gathering, Precision Strike Support and real time Battle Damage Assessment.



Specifications

Length Folded	22.87 ft (7.0 m)
Rotor Diameter	27.50 ft (8.4 m)
Height	9.42 ft (2.9 m)
Gross Weight	3,150 lbs (1428.8 kg)
Engine	Rolls-Royce Model 250-C20W
Speed	125+ Knots
Ceiling	20,000 ft (6.1 km)

