

Kestrel

Users: U.S. Army

Manufacturer: Honeywell/AAI

Inventory: 25 Delivered/54 Planned (2006)



Background. DARPA and the Army are exploring designs for Micro Air Vehicles (MAVs). MAV is focused on a small system suitable for backpack deployment and single-man operation. Honeywell was awarded an agreement to develop and demonstrate the MAV as part of the MAV ACTD, which pushes the envelope in small, lightweight propulsion, sensing, and communication technologies. Following its military utility assessment (MUA) in FY05-06, 25 MAV systems are to transfer to the Army in FY07. The Army has 25 of 54 planned Honeywell MAVs for evaluation as its Future Combat System Class I UAS; IOC is planned for 2015. Each system has two air vehicles.

www.darpa.mil/tto/programs/mavact.html

Characteristics:

	Kestrel		Kestrel
Length	15 in	Wing Span	13 in duct dia
Gross Weight	15 lb	Payload Capacity	2 lb
Fuel Capacity		Fuel Type	Diesel
Engine Make		Power	
Data Link(s)	C2	Frequency	
	Video		

Performance:

Endurance	40 min	Max/Loiter Speeds	
Ceiling	10,500 ft	Radius	6 nm
Takeoff Means	Hover	Landing Means	Hover
Sensor	EO	Sensor Make	

