



WASP

Wasp Micro Air Vehicle (MAV) is a small, portable, reliable, and rugged unmanned aerial platform designed for front-line reconnaissance and surveillance over land or sea. Wasp is the result of a multi-year joint development effort between Aerovironment and the Defense Advanced Research Projects Agency (DARPA).

Wasp has a wingspan of 41 cm and a weight of 275 grams, and is Aerovironment's smallest SUAV. Its extremely small size and quiet propulsion system make it nearly undetectable in flight. Wasp can be manually operated or programmed for GPS-based autonomous navigation.

To ensure system interoperability, Wasp uses the same advanced technology found in other Aerovironment UAV's, such as Raven RQ11-A, Swift and Puma, and is controllable through a common Ground Control Station.

Mission Descriptions	Organic Squad-Level Reconnaissance & Surveillance, Advanced Reconnaissance (Ship Pre-Boarding), and Light Infantry Military Operations on Urban Terrain (MOUT).
Features	Miniature Size, Ruggedized and Waterproof for use on Land and Sea, Hand-Launched, Autonomous Flight, GPS, Altimeter, Autonomous Navigation, Common Ground Control Station as Raven, Puma, Swift, and Pointer.
Payloads	Forward- and Side-Look EO Cameras
Range	2 km to 4 km Line-of-Sight
Endurance	30-50 minutes
Speed	35-65 kmph
Operating Altitude (Typ.)	50-1,000 ft AGL, 15-300 m AGL
Span	1.37 ft (41 cm)
Length	0.5 ft (15 cm)
Weight	0.6 lb/275 g (Land), 0.64 lb/290 g (Sea)
Launch Method	Hand-Launched
Recovery Method	Horizontal Land or Water Landing