



WASP III

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

With a wingspan of 72 cm and a weight of 430 grams the Wasp is AV's smallest UAS. 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 AV small UAS systems, such as Raven RQ-11B, Swift and Puma, and is controllable through a common Ground Control Station.

TECHNICAL SPECIFICATIONS

Mission Descriptions - Organic Squad-Level Reconnaissance & Surveillance, Advanced Reconnaissance and Light Infantry Military Operations on Urban Terrain (MOUT).

Features - Miniature Size, Ruggedized for use on Land and Sea, Autonomous Flight, GPS, Altimeter, Autonomous Navigation

Payloads - Integrated Forward- and Side- Look EO Cameras, Swappable Payloads, High-Resolution EO Camera with Electronic Pan/Tilt/Zoom, IR Imager

GCS - Common Ground Control Station as Raven and Puma AE

Range - 5 km Line-of-Sight

Endurance - 45 minutes

Speed - 40-65 km/h

Operating Altitude (Typ.) - 50-1,000 ft AGL, 15-300 m AGL

Wing Span - 2.375 ft (72 cm)

Length - 1.25 ft (38 cm)

Weight - 0.95 lb/430 g (Land)

Launch Method - Hand-launched

Recovery Method - Horizontal Land

Product Status - Full-rate production is scheduled for the next 5 years with continuous system improvement planned over the life of the product.