



## 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.