

**Micro Air Vehicle**

**Honeywell**



**ENHANCED MISSION EFFECTIVENESS  
AND FORCE PROTECTION**

**Modular, scalable family of systems supporting  
soldiers in both urban and open terrains**

# Micro Air Vehicle

Providing unprecedented situational awareness in small unmanned platforms



## System Features

- Two air vehicles, one ground station
- Packable within the standard Modular, Light Weight, Load Carrying Equipment (MOLLE) system
- Deployment and stowing operations accomplished in less than five minutes
- Simple, intuitive operation requiring minimal operator training
- Interchangeable payload pods with daylight & night time cameras, radio relays and data links
- Vertical takeoff and landing enables "hover and stare" mission profile

## Find out more

For more information, contact  
U.S.: 1-800-601-3099

International: 1-602-365-3099

Technical: 1-505-828-5027

Visit us at [www.honeywell.com/mav](http://www.honeywell.com/mav)  
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## Honeywell Aerospace

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## Specifications

### Components

- 2 MAVs
- 1 ground station
- Support equipment

### Packability

- Less than 40 lbs. system weight
- Packable in or on a MOLLE
- 16 lbs. air vehicle dry weight

### Air Vehicle Performance

(at 100°F / sea-level)

- 50 minutes endurance
- 25 feet/second rate of climb
- 40 knot airspeed
- Take-off and landing in 15-knot winds
- Fly in 20-knot winds, rain 10,000-foot service ceiling

### Operational Environment

- Temperature: 0°F to 100°F (based on COTS sensors)
- Humidity: 100%
- Rain: 0.5 inch per hour
- Salt, fog, sand and dust

### Payloads

- Forward and downward looking EO and IR imaging sensors
- Modular interchangeable sensor packaging

### Target Detection

- Detect and recognize man-sized target at 250m (day and 125m (night)
- Target location error of 20 meters

### Video Recording

- Ground station stores 60 minutes of sensor imagery

### Flight Modes

- Autonomous flight with dynamic re-tasking and manual intervention
- Hover and stare
- Remote launch

### Flight Planning

- Up to 100 waypoints in a flight plan
- Up to 10 preplanned flight plans stored on ground station
- Multiple loiter patterns

### Acoustics

- Inaudible (60 dBA) at 100m

### Fuel

- Gasoline, non-volatile lubricants

### Communications

- 10 kilometer range with common military UAV frequencies

### Navigation

- 10-meter horizontal position accuracy
- 4-meter pressure altitude accuracy
- Inertial and GPS with SAASM capabilities

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