



ENHANCED MISSION EFFECTIVENESS  
AND FORCE PROTECTION

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

# T-Hawk™ MAV (Micro Air Vehicle)

Providing unprecedented situational awareness in small unmanned platforms



## System Features

- Electronic Control Unit provides increased vehicle efficiency through fuel injection
- 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 and user selectable data links
- Vertical takeoff and landing enables "hover and stare" mission profile
- Operable from within armored vehicles
- 17 lb. (7.7kg) vehicle dry weight

## 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 T-Hawk™ MAVs
- 1 ground station
- Support equipment

### Air Vehicle Performance

(at 100°F / sea-level)

- 50 minutes endurance
- 25 ft/sec (7.6m/sec) rate of climb
- 46 mph (40 knot) airspeed
- Take-off and landing in 17 mph (15 knot) winds
- Fly in 23 mph (20 knot) winds, rain, 10,000-foot (3,048 meter) service ceiling

### Operational Environment

- Temperature: 20°F to 120°F (-7°C to 49°C) (based on COTS sensors)
- Humidity: 100%
- Rain: 0.5 inch (1.27 cm) per hour
- Salt, fog, sand and dust

### Payloads

- Gimballed EO and IR imaging sensors
- Modular interchangeable sensor packaging

### Target Detection

- Detect and recognize man-sized target at 820 ft (250m) day and 328 ft (100m) night
- Target location error of 131 ft (40m)

### Video Recording

- Ground station stores 240 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 in urban environment (60 dBA) at 410 ft (125m)

### Fuel

- Gasoline, non-volatile lubricants

### Communications

- 3-6 mile (5-10km) range with common military UAV frequencies

### Navigation

- 10-meter horizontal position accuracy
- 19.6 ft (6m) pressure altitude accuracy
- Inertial and GPS with SAASM capabilities

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