Aircraft Description:

Honeywell RQ – 16A Micro Air Vehicle

Air Vehicle is a packpackable ducted fan lift augmented Vertical Take Off and Landing Air Vehicle with gasoline powered engine

- Diameter: 23.5 in. with sensor pods
- Height: 23 inches
- Weight (dry): 16 lbs (EO) 16.3 lbs. (IR)
- Fuel Capacity: 2.2 lbs
- Flight Duration: 40 minutes
- Speed: 45 mph
- Climb Rate (max): 10 f/s
- Descent Rate (max): 5 f/s
- Winds: 15 knots (takeoff/landing), 20 knots (aloft)
- Onboard Video: 10 minutes
- Battery: 55 minutes (rechargeable)
- Landing: Manual and Autonomous
- Navigation: SAASM GPS, IMU, Pressure Altimeter and Magnetometer
- Communication: C2 radio and video link radio
- Lost Link Response: Ascend, Rally Point, Route Retrace, or Continue
- Operating Temp.: 0° to 140° F
- Storage Temp.: 0° to 140° F

Aircraft is equipped with a C2 and video link radio. Radios can utilize up to 8 selectable channels. C2 radio is planned to be in the 920 Mhz range and video radio in the 2.4 Ghz range. Both commercial bands.
Aircraft is equipped with 2 interchangeable payload pods: a forward and downward looking EO camera or a forward and downward looking IR camera. The forward camera has a 15° downward pitch.

<table>
<thead>
<tr>
<th></th>
<th>Pixels</th>
<th>FOV</th>
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<tbody>
<tr>
<td>Electro Optical</td>
<td>768H x 494V</td>
<td>46° to 5° (10x optical zoom)</td>
</tr>
<tr>
<td>Infra Red</td>
<td>320H x 240V</td>
<td>40° (4x digital zoom) or 18° (4x digital zoom)</td>
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