With advanced autopilot and a variety of available sensors, the all-electric VAPOR 35 Helicopter UAS provides the operational flexibility to meet your most demanding missions. Featuring military-grade components, intelligent HW/SW system design, and high energy density lithium-polymer battery, VAPOR delivers enhanced flight stability and up to one hour of flight time on a single battery charge.

Multi-mission capable, VAPOR 35’s modular payload bay provides access to a variety of available integrated sensors and third party payloads including gimbaled EO/IR, survey grade PPK mapping, LiDAR and hyperspectral sensors. VAPOR 35’s economical packout and single case mission configuration enables one-man lift operation. Every VAPOR Helicopter UAS incorporates proprietary HeliSynth™ technology for system level optimization including advanced autopilot, payload control & operation, and mission performance efficiency.
Intelligently Designed to Perform

**KEY FEATURES**

» Precision flight control performance
  › Fully automatic flight operation allows VAPOR to complete missions without operator intervention, with dynamic retasking to ensure safety, reliability and mission execution
  › Advanced blade design and 3 blade rotor with low RPM deliver enhanced flight stability, increased gust rejection and maximized payload performance

» Endurance—up to one hour of flight time on a single battery charge

» Automated mission execution—enables operators to plan, simulate and execute missions automatically

» Payload flexibility—choose from available integrated sensors or custom-configure with third party payloads

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GROSS WEIGHT</strong></td>
<td>32 lb (14.5 kg)</td>
</tr>
<tr>
<td><strong>USEABLE PAYLOAD</strong></td>
<td>5 lb (2.3 kg)</td>
</tr>
<tr>
<td><strong>GROUND SPEED LIMIT</strong></td>
<td>31 mph (14 m/s)</td>
</tr>
<tr>
<td><strong>MAX ENDURANCE</strong></td>
<td>Cruise: 60 min, Hover: 45 min</td>
</tr>
<tr>
<td><strong>LINK RANGE</strong></td>
<td>8 km standard ICS</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>Aircraft: 6.4 ft x 2.1 ft x 1.6 ft (1.95 m x 0.64 m x 0.49 m) Rotor Diameter: 5.6 ft (1.71 m)</td>
</tr>
<tr>
<td><strong>OPERATING ALTITUDE</strong></td>
<td>0-12,000 ft (3,657 m) MSL (density)</td>
</tr>
<tr>
<td><strong>MAX WIND PEAK</strong></td>
<td>Sustained: 27 km/h (15 kts), Gust: 37 km/h (20 kts)</td>
</tr>
<tr>
<td><strong>DATA LINKS</strong></td>
<td>900 MHz, 2.4 GHz, 5.8 GHz, Satellite</td>
</tr>
</tbody>
</table>

**PAYLOAD OPTIONS**

- **EO/IR Sensor**
- **Lidar**
- **Hyperspectral**
- **PPK Mapping**

*System comes standard with EO/IR Sensor. Contact your AV Representative to discuss Payload Integration and Custom Configuration options.

**DISTINCTIONS**

» **LINK RANGE**
  8 km

» **ENDURANCE**
  Cruise: 60 min, Hover: 45 min

» **USEABLE PAYLOAD**
  5 lb (2.3 kg)

» **GROSS WEIGHT**
  32 lb (14.5 kg)