The all-electric VAPOR 55 Helicopter UAS delivers flight control performance, endurance, and payload flexibility. 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.

With an expansive modular payload bay, and up to 10 lbs. useable payload capacity, VAPOR is multi-mission capable, with access to a variety of available integrated sensors and third party payloads including EO/IR, survey grade PPK mapping, LiDAR and hyperspectral sensors, and Drop/Delivery Mechanism. Every VAPOR Helicopter UAS incorporates proprietary HeliSynth™ technology for system level optimization including advanced autopilot, payload control & operation, and mission performance efficiency.

**SPECIFICATIONS**

- **GROSS WEIGHT**: 55 lbs (24.3 kg)
- **USEABLE PAYLOAD**: 10 lbs (4.5 kg)
- **GROUND SPEED LIMIT**: 33 mph (15 m/s)
- **MAX ENDURANCE**: Cruise: 60 mins, Hover: 45 mins
- **RANGE**: 35 miles (56 km)
- **OPERATING ALTITUDE**: 0-12,000 MSL
- **MAX WIND PEAK**: 20 kts (23 MPH); Gusts 40 kts (45 MPH)
- **DATA LINKS**: 900 MHz, 2.4 GHz, 5.8 GHz, Satellite

**PAYLOAD OPTIONS**

- **EO/IR Sensor**
- **Lidar**
- **Hyperspectral**
- **PPK Mapping**
- **Drop Mechanism**
- **Multi-Payload**
- **1+**

**KEY FEATURES**

- **Precision Flight Control Performance**
  - Fully automatic flight operation allows VAPOR to complete missions without operator intervention, with dynamic re-tasking 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.

**NEED MORE OPTIONS?**

Contact your AV Representative to discuss Payload Integration and Custom Configuration options.