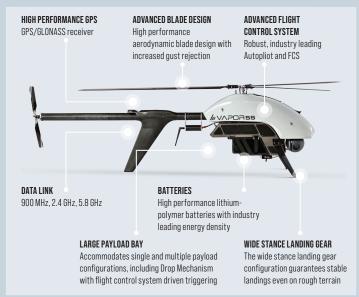


The all-electric VAPOR 55 Helicopter UAS delivers flight control performance, endurance, and payload flexibility. Featuring military-grade components, intelligent HW/SW system design, and high energy density lithium-polymer battery, VAPOR delivers enhanced flight stability and up to one hour of flight 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 (24.9 kg) **USEABLE PAYLOAD** 10 lbs (4.5 kg) GROUND SPEED LIMIT  $33 \, \text{mph} (15 \, \text{m/s})$ MAX ENDURANCE Cruise: 60 mins. Hover: 45 mins RANGE 35 miles (56 km) Aircraft: 6.4 ft (1,941 mm) x 2.2 ft (672 mm) x 1.9 ft (583 mm) **DIMENSIONS** Rotor Diameter: 7.5 ft (2.291 mm) OPERATING ALTITUDE 0-12.000 MSL MAX WIND PEAK 20 kts (23 MPH); Gusts 40 kts (45 MPH)

PAYLOAD OPTIONS

**DATA LINKS** 





900 MHz, 2.4 GHz, 5.8 GHz, Satellite









2 אטוו אט ע

EO/IR Sensor

er Hvne

tral PF Mon

PK onina Ma

Drop Mechanism

Multi-Payload

## **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

## **NEED MORE OPTIONS?**

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

