



## VAPOR® 35 ALL-ELECTRIC HELICOPTER UAS

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 gimballed 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

VAPOR® 35

## DISTINCTIONS



» LINK RANGE  
8 km



» ENDURANCE  
Cruise: 60 min, Hover: 45 min







» USEABLE PAYLOAD  
5 lb (2.3 kg)

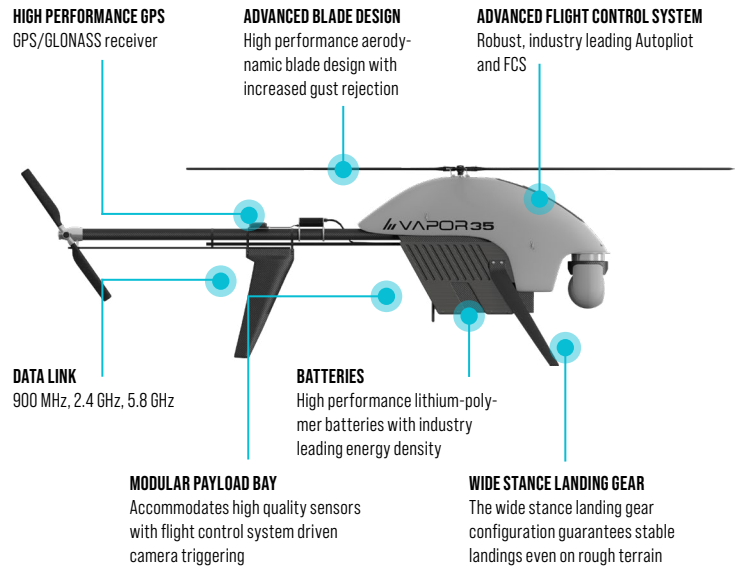


» GROSS WEIGHT  
32 lb (14.5 kg)

## SPECIFICATIONS

<b>GROSS WEIGHT</b>	32 lb (14.5 kg)
<b>USEABLE PAYLOAD</b>	5 lb (2.3 kg)
<b>GROUND SPEED LIMIT</b>	31 mph (14 m/s)
<b>MAX ENDURANCE</b>	Cruise: 60 min, Hover: 45 min
<b>LINK RANGE</b>	8 km standard GCS
<b>DIMENSIONS</b>	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)
<b>OPERATING ALTITUDE</b>	0-12,000 ft (3,657 m) MSL (density)
<b>MAX WIND PEAK</b>	Sustained: 27 km/h (15 kts), Gust: 37 km/h (20 kts)
<b>DATA LINKS</b>	900 MHz, 2.4 GHz, 5.8 GHz, Satellite
<b>PAYLOAD OPTIONS</b>	 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.



## 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*