



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.

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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

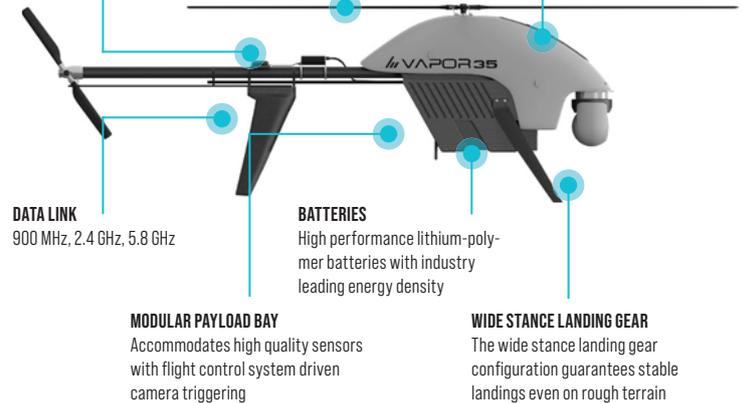
GROSS WEIGHT	32 lb (14.5 kg)
USEABLE PAYLOAD	5 lb (2.3 kg)
GROUND SPEED LIMIT	31 mph (14 m/s)
MAX ENDURANCE	Cruise: 60 min, Hover: 45 min
LINK RANGE	8 km standard GCS
DIMENSIONS	Aircraft: 6.4 ft x 2.1 ft x 1.6 ft (1.95 m x 0.64 m x 0.49 m) Rotor Diameter: 5.6 ft (1.71 m)
OPERATING ALTITUDE	0-12,000 ft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

HIGH PERFORMANCE GPS
GPS/GLONASS receiver

ADVANCED BLADE DESIGN
High performance aerodynamic blade design with increased gust rejection

ADVANCED FLIGHT CONTROL SYSTEM
Robust, industry leading Autopilot and FCS



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

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