

The VAPOR® 55 MX all-electric helicopter unmanned aircraft system is extremely versatile and can be easily configured to support a variety of mission requirements for defense, commercial and industrial applications. The new all-weather VAPOR 55 MX incorporates a modular design that makes integration of high-performance single or multiple sensor payloads quick and easy. It features a sleek, modular, low-profile design that is more rugged and portable with its telescoping tail and fold-up landing gear. VAPOR was specifically built for heavier payloads and longer distance with its class-leading payload capacity of 10 pounds with 75 minutes of endurance is unmatched by any quad-copter or other Helicopter UAS.

Built for Heavier Payloads & Longer Distances

VAPOR° 55 MX

DISTINCTIONS



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>>> RANGE
Up to 32 km
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>>> ENDURANCE Cruise: 75 min, Hover: 60 min



>>> USABLE PAYLOAD Up to 20 lb (9 kg)



>>> GTOW WEIGHT* Up to 65 lb (29.5 kg)

SPECIFICATIONS

RANGE	Up to 20 miles (32 km) with Silvus & MPU5 radios
GTOW WEIGHT*	55 lb (24.9 kg) for commercial use 65 lb (29.5 kg) defense missions with less endurance
USABLE PAYLOAD*	10 lb (4.5 kg) @ 55 lb GTOW Up to 20 lb (9 kg) @ 65 lb GTOW
GROUND SPEED LIMIT	33 mph (15 m/s)
DIMENSIONS	Aircraft: 6 ft x 2.2 ft x 2.1 ft (1.8 m x 0.67 m x 0.64 m) Rotor Diameter: 7.5 ft (2.29 m)
OPERATING Altitude*	0-12,000 ft (3,657 m) MSL (density)
ENVIRONMENTAL Operational limits	Min: 0 °F (-17 °C) Max: 120 °F (49 °C)
MAX WIND PEAK*	Sustained: 34.5 mph (30 kts)
DATA LINKS	900 MHz, 2.4 GHz or 5.8 GHz (Video), Silvus, Persistent Systems, MicroHard
GROUND CONTROL	Live GPS position, full authority control, automatic or manual flight

*FAA restricts the max Gross Takeoff Weight (GTOW) of drones operating in the NAS to 55 lb unless you have special authorization.

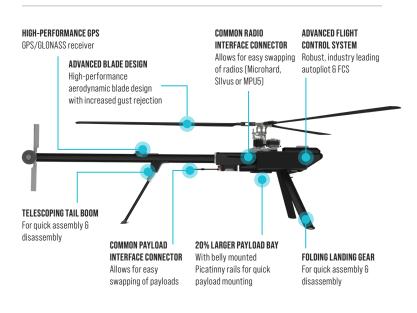
EXAMPLES OF POSSIBLE PAYLOADS











KEY FEATURES

- Payload flexibility-payload modules with rail design enables quick & easy payload integration for increased mission flexibility
- » Sleek, modular airframe design for easy assembly & disassembly
- » Telescoping tail & folding landing gear for greater portability
- Maintenance friendly with no belts to change; increased mean time between overhauls & lower life cycle cost
- Flexible core architecture—key enabler for continuous development that will allow for seamless extensions & upgrades
- Modular radio options—seamlessly operate with a low-cost encrypted radio or swap to hardened military radio

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