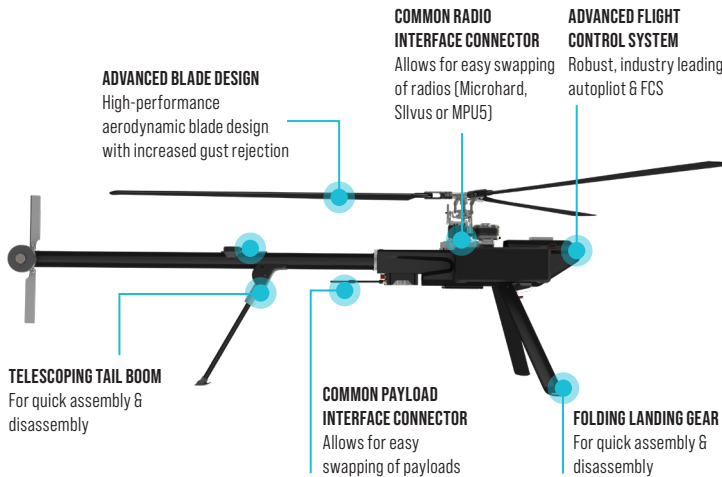




VAPOR® 55 MX // SHRYKE MUNITION PAYLOAD

The VAPOR® 55 MX all-electric helicopter unmanned aircraft system (UAS) is extremely versatile and can be easily configured to support a variety of mission requirements. VAPOR's multi-mission, modular design offers class-leading payload capacity of 22 pounds with 60 minutes of endurance. Its unique rail mount enables quick and easy integration of multi-sensor payloads, or a drop mechanism optimized for the delivery of munitions, including Shryke.

VAPOR can integrate up to four Shryke munitions with highly lethal modular warheads. AeroVironment, in collaboration with L3 Harris and Corvid are supplying this highly effective, low-collateral damage solution to combat threats in both open and cluttered environments. The ESAD munition fuze is provided by L3 Harris.

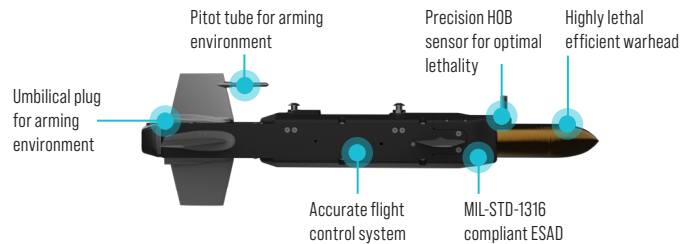


VAPOR 55 MX SPECIFICATIONS

| | |
|---|---|
| RANGE | Up to 20 miles (32 km) with Silvus & MPU5 radios |
| 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 |

KEY FEATURES

- » *Sleek, modular airframe design for easy assembly & disassembly*
- » *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*



SHRYKE SPECIFICATIONS

PROJECTILE

| | | |
|--------------------------|--|-------------------|
| DIMENSIONS | Mass: 1.7 lb, Length: 17.7 in, Width: 8.9 in, Height: 5.2 in | |
| BATTERY | Thermal | |
| ESAD | MIL-STD-1316 | |
| 2.4 GHz TELEMETRY | 19 dBm | |
| WARHEAD MASS | 1 lb | |
| MISSIONS | Anti-personnel, anti-material | |
| SENSORS | Primary: HOB sensor, Secondary: Impact sensor | |
| GPS GUIDANCE | ±5 ft (M-Code capable) | |
| ALTITUDE | Max Altitude Release: 5000 ft | |
| | Cross Range | Drop Altitude AGL |
| | 200 ft | 800 ft |
| | 1000 ft | 2000 ft |
| | 1:1 cross range achieved at 3000 ft, horizontal or vertical release] | |

SHRYKE SPECIFICATIONS

LAUNCH ELECTRONICS

| | |
|------------------------|--|
| DIMENSIONS | Mass: 1.9 lb, Length: 8 in, Width: 5.7 in, Height: 2.5 in |
| SUPPLY VOLTAGE | 14-40 V |
| MAX POWER | 20 W |
| PROJECTILE LINK | 2.4 GHz (19 dBm) |
| GROUND LINK | Ethernet 2.4 GHz (30 dBm); compatible with host platform ethernet radio umbilical connection with projectile |