

VAPOR[®] 55 MX SHRYKE MUNITION PAYLOAD

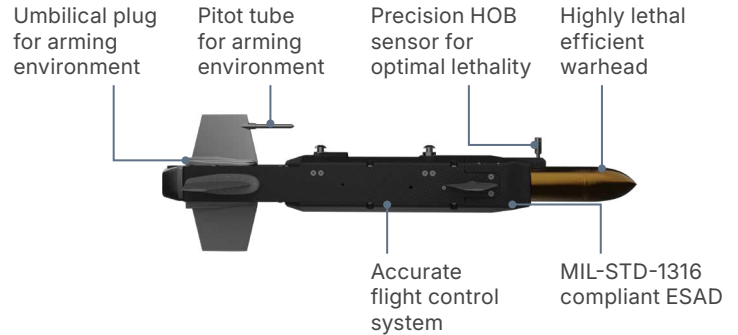
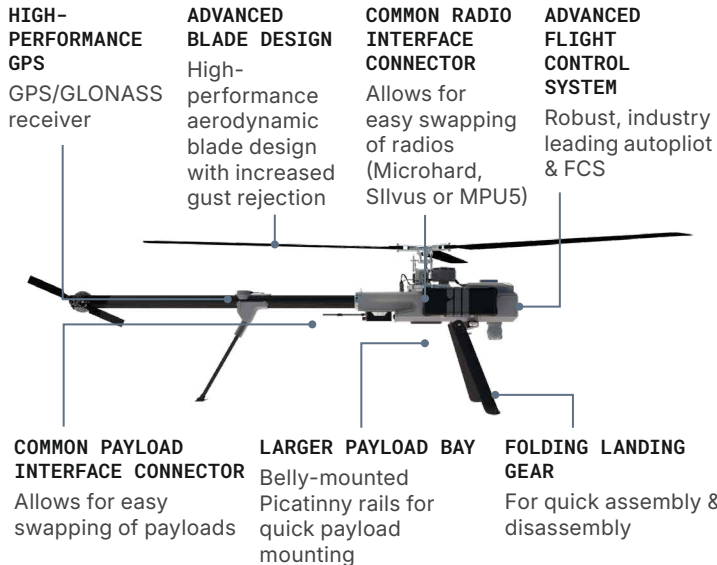


The VAPOR[®] 55 MX all-electric helicopter unmanned aircraft system (UAS) is extremely versatile and can be easily configured to support a variety of mission requirements. VAPOR's multi-mission, modular design offers class-leading payload capacity of 22 pounds with 60 minutes of endurance. Its unique 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. AV, in collaboration with L3 Harris and Corvid, is 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.

Highly Modular, Highly Lethal

VAPOR® 55 MX + SHRYKE



_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

_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 200 ft, Drop Altitude AGL 800 ft Cross Range 1000 ft, Drop Altitude AGL 2000 ft 1:1 cross range achieved at 3000 ft, horizontal or vertical release)

[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

