

# VAPOR® CLE

ALL-ELECTRIC  
UNMANNED HELICOPTER



The VAPOR® CLE sets a new standard for Group 2 unmanned aircraft systems, combining proven VAPOR reliability with a next-generation design that is more compact, enduring, and lethal. Built for defense missions that demand both portability and adaptability, VAPOR CLE delivers two hours of endurance, heavy-lift versatility, and a streamlined packout system that lets operators deploy fast in any environment. With capacity for up to 24 pounds of payloads and the flexibility to support both ISR and precision strike, VAPOR CLE pushes beyond the limits of traditional quadcopters. Ruggedized for extreme cold and maritime operations, it is the most versatile and combat-ready helicopter UAS in its class.

# Compact, Long Endurance Helicopter

VAPOR® CLE

## \_Distinctions



### RANGE

Up to 19.8 miles (32 km)



### ENDURANCE

2-Battery<sup>1</sup>  
Cruise: 120 min,  
Hover: 100 min



### USEABLE PAYLOAD

Up to 24 lb<sup>3</sup>  
(10.9 kg)



### GTOW WEIGHT<sup>2</sup>

Up to 68 lb  
(30.8 kg)

## \_Specifications

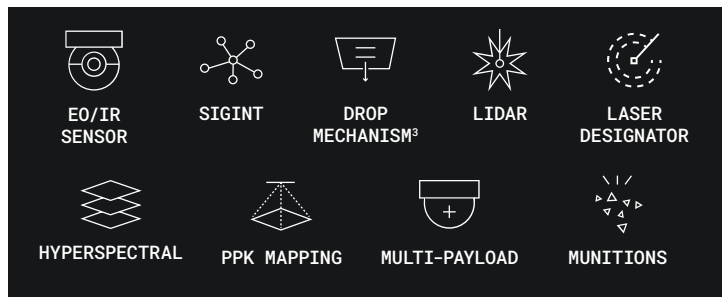
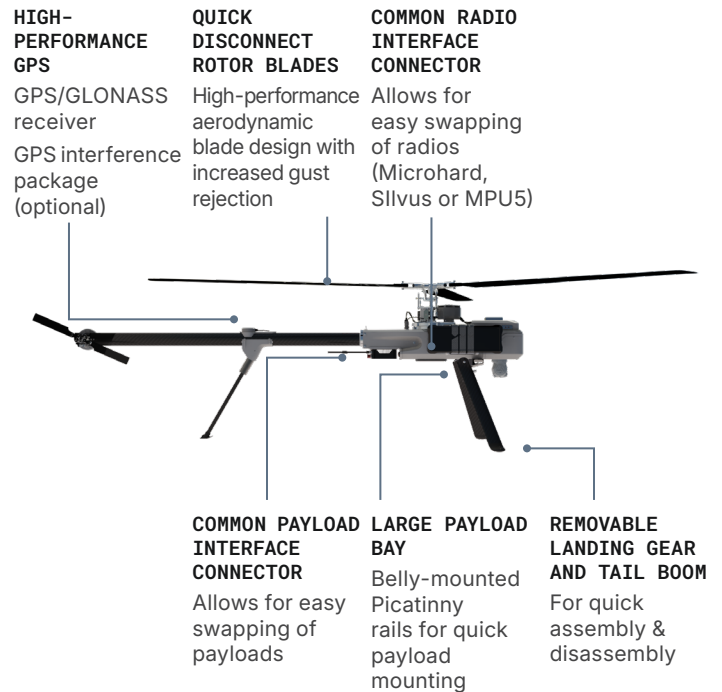
PAYLOADS	Corvid Shryke Guided Munition, SB300, CLiK Orbital 60mm/81mm mortar conversion kits, IS4S 40mm Munition
OPTICAL SENSOR	Trillium HD-25 (standard), Other options HD-45-LV-CZ, HD-45-CZ-GS, HD-55-LV-CZ, HD-55-MV HD, HD-25-LV
GROUND SPEED LIMIT	33 mph (15 m/s)
DIMENSIONS	Aircraft: 6 ft x 2.2 ft x 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 5.89 GHz (video), Persistent Systems MPU5 (Standard), options Silvus, DTC
GROUND CONTROL	Live GPS position, full authority control, automatic or manual flight

1. Nose mounted Trillium HD-25 optical sensor Standard
2. FAA restricts the max Gross Takeoff Weight (GTOW) of drones operating in the NAS to 55 lb unless you have special authorization.
3. With HD-25—up to a 15-18 lbs droppable payload



### HARDCASE PACK OUT

12.9 in height x 16.1 in depth x 45.5 in width



## \_Key Features

- > Compact Packout – Rugged case and folding airframe for easy transport and rapid field assembly.
- > Extended Endurance – Up to 2 hours of persistent flight, doubling the time on station of typical Group 2 systems.
- > Lethal Strike Option – Configurable for precision munition delivery in addition to ISR payloads.
- > Heavy-Lift Payload – Supports up to 24 lbs of sensors, comms relays, or effectors.
- > All-Weather Resilience – Built for cold-weather and maritime GPS denied operations, ensuring reliable launch and recovery in harsh conditions.
- > Kinesis™ Controller Integration – Compatible with AV's Kinesis™ handheld controller for intuitive, cross-platform operation.