



# Stalker VXE30

Elevated Intelligence – Runway Optional



# Stalker VXE30

## OVERVIEW

Stalker VXE30 is a next-generation vertical take-off and landing (VTOL) small unmanned aerial system (SUAS) with unmatched robustness and flexibility. VXE30 builds off the success of the operationally proven Stalker extended endurance SUAS by combining the flexibility of a portable system with the endurance and payload performance of a larger, more costly vehicle. The system allows for a wider range of launch and landing with precise touchdown accuracy. The system is built to address the practicalities of diverse mission types with extended service life and more payload weight and configuration options without sacrificing endurance or compatibility.



## SPECIFICATIONS

Wing Span ..... 16.0 ft.  
Length ..... 8.5 ft.  
Air Vehicle Weight without Payload..... 42.5 lb. (battery) /  
38.5 lb (fuel cell w/fuel tank)  
Air Vehicle Maximum Takeoff Weight.... 48 lb.(battery)/44 lb.(fuel cell)  
Payload Weight ..... Up to 5.5 lb.  
Typical Endurance..... up to 4 hrs (battery)/up to 8 hrs (fuel cell)  
Optimum Cruise Speed ..... 36 mph  
Maximum Speed / 'Dash' Speed ..... 58 mph  
Comms Range ..... Up to 100 miles  
Aircraft Ferry Range (no wind) ..... 138 mi (battery)/269 mi (fuel cell)  
Launch and Recovery..... Vertical takeoff and landing  
Propulsion..... Propane fuel cell with  
rechargeable hybrid battery/dual rechargeable batteries  
Operating Altitude..... 300 ft. AGL up to 12,000 ft. Density Altitude



## KEY FEATURES

- Vertical Take-off & Landing
- Small Footprint – Complete Mission Capability Fits in a Small SUV or Sedan
- Quiet Operation
- Autonomous Mission Operation
- Cursor-on-Target Compliant
- Waypoint Navigation
- Multi-UAS Operation from a single GCS Open System Architecture
- Integrated Tracker – Scene Lock Moving Target Track, Auto Track & Follow Navigation
- Radio Agnostic Communications
  - Baseline: Silvus Streamcaster MN-MIMO
- Payload Agnostic with support for multiple payloads
  - Baseline: Trillium Payloads

## SYSTEM DESCRIPTION

- (3) Air Vehicles
- (1) Field Support Kit
- (2) Short-Range Ground Control Stations
- (1) Medium-Range Ground Control Station
- (1) Long-Range Ground Control Station
- (1) Fuel Cell Kit

## TRILLIUM RETRACTABLE GIMBAL OPTIONS

- HD40XV: EO 720P Daylight 30x Optical
- HD45LV-CZ-LP: EO 720P 3.5x Zoom & LWIR 5x Optical
- HD55MV-LP: EO 720P 3.5x Zoom & MWIR 10x Optical

## MODULAR GIMBAL POD OPTIONS

- SD: Daylight 26x Optical Zoom
- HD: 720P Daylight 10x Optical Zoom
- Dual Field of View: Daylight – Wide HD & 26x Zoom
- Dual Field of View: LWIR – Wide & Narrow FOV