

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
Length8.5 ft.
Air Vehicle Weight without Payload42.5 lb. (battery) /
38.5 lb (fuel cell w/fuel tank)
Air Vehicle Maximum Takeoff Weight 48 lb.(battery)/44 lb.(fuel cell)
Payload Weight
Typical Enduranceup to 4 hrs (battery)/up to 8 hrs (fuel cell)
Optimum Cruise Speed
Maximum Speed / 'Dash' Speed58 mph
Comms Range
Aircraft Ferry Range (no wind)138 mi (battery)/269 mi (fuel cell)
Launch and RecoveryVertical takeoff and landing
PropulsionPropane fuel cell with rechargeable hybrid battery/dual rechargeable batteries
Operating Altitude300 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: E0 720P Daylight 30x Optical

HD45LV-CZ-LP: E0 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