Stalker XE
Fixed Wing. VTOL Capable.
Stalker XE

OVERVIEW
Stalker XE is a small, quiet, unmanned aerial system (UAS) that provides unprecedented long-endurance imaging capability in a variety of environments. Optionally powered by a ruggedized Solid Oxide Fuel Cell, Stalker XE uses propane to achieve 8+ hours of operation. To support the needs of the mission, the system can also be easily reconfigured in the field to a battery powered option that provides 4 hours of endurance. Launch options include bungee, rail, or vertical take-off/landing kit. Stabilized pan, tilt, zoom electro-optical, infrared, and low-light cameras with the ability to lock and track targets provides state of the art imaging capabilities in a small UAS for operations in both day and night. The system provides accurate, geo-referenced imagery in a variety of user formats.

SYSTEM DESCRIPTION
(1) Field Support Kit
(1) Short-Range Ground Control Station
(1) Medium-Range Ground Control Station
(1) Fuel Cell Kit

RETRACTABLE GIMBAL OPTIONS
HD 720P Daylight.................. 30x Optical Zoom
HD 720P Daylight ................ 4X & LWIR 7x Optical Zoom
HD 720P Daylight .............. 4X & MWIR 5x Optical Zoom

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 and Narrow FOV)

KEY FEATURES
- Small Footprint – Complete Mission Capability Fits in a Small SUV, Sedan, or Rolling Duffel Bag
- Quiet Operation – Silent > 800 ft
- Operating Altitude 300 ft AGL up to 12,000 ft Density Altitude
- Bungee, Rail or VTOL Launch Options
- Autonomous Mission Operation - Launch, Flight and Landing
- Waypoint Navigation
- Cursor-on-Target Compliant
- Integrated Tracker Provides Scene Lock Moving Target Track, Auto Track and Follow Navigation
- Intuitive Operation - Rapid Training
- Multi-UAS Operation from a single GCS

SPECIFICATIONS
Wing Span ........................................ 12.0 ft
Length ........................................ 7.0 ft
Weight ........................................ 24 lb with Standard Payloads
Payload .................................. Up to 5.5 lb, Gross Weight < 30 lb
Fixed Wing Endurance ........ Up to 8-hrs with Propane Fuel Cell or up to 4-hrs with Battery Option
VTOL Endurance ................. Up to 2-hrs with Battery Option
Speed ................ Dash 39 kts, Cruise 30 kts
Comms Range ................ Up to 32 nm
Aircraft Range ................ Up to 200 nm
Environment ....................... All-Weather
Recovery .................. Glide Landing on Unimproved Surface
Propulsion ................... Hybrid Power System Propane/Rechargeable Battery

Contact Information: Maggie Macfarlane: 661.572.1965 | Gerald Oortman: 661.572.4262