

SkySeerTM

Lightweight, backpackable, reconnaissance UAV (Patent Pending)

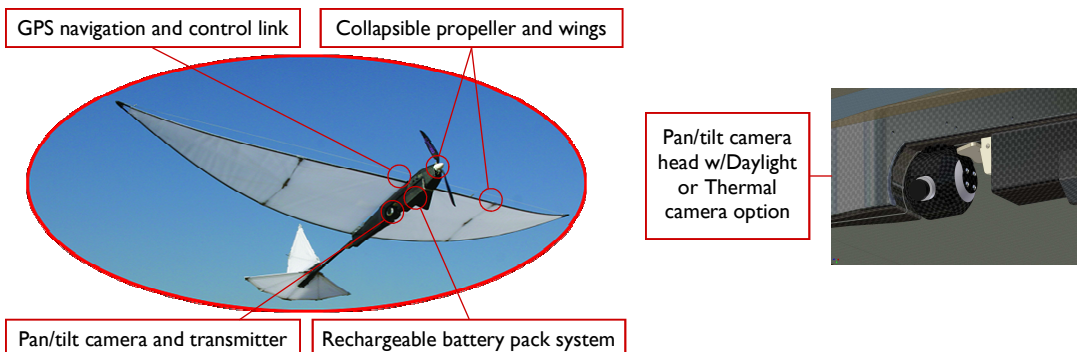
Benefits

SkySeerTM is a low cost, autonomous, reconnaissance UAV that can be carried without a supporting vehicle. Some of the benefits of SkySeerTM are:

- ◆ Low platform cost
- ◆ Lightweight, small, and easily carried by one person
- ◆ Quiet and powerful electric motor
- ◆ GPS-guided autonomous flight, take-off, and landing
- ◆ Remote-controlled pan/tilt camera head
- ◆ Day and night operation with optional thermal camera
- ◆ Lightweight Ground Control Station

Combining a small footprint and autonomous flight, SkySeerTM is the preferred UAV for short-range reconnaissance and monitoring operations.

Features



Operating specifications

Wing span:	6.5 feet (1.98 meters)
Total weight:	4 lbs (1.81 kg)
Endurance:	50 minutes with rechargeable Lithium Polymer battery
Speed:	21 knots max: 24 knots min: 16 knots
Range:	2 miles (3.2 km) (extensible via Octatron NetWeaver TM)
Propulsion:	Tractor electric folding propeller
Pan/tilt:	160° pan and 90° tilt



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GSA Schedule
Contract
Schedule 84, SIN426-4S

Ground Control Station features



Ground Control Station specifications

Display:	High-nit (750+), daylight viewable LCD touch screen
Total weight:	20 lbs (9.07 kg)
Case:	Standard 1500 Pelican™ case 18" x 13" X 7"
Typical power consumption:	60W
Pan/tilt UAV joystick:	Real-time control of UAV camera head
Digital video:	<ul style="list-style-type: none"> ◆ Stores up to 20 hours of high-quality MPEG4 video ◆ 2 USB ports ◆ JPEG snapshots
Real-time flight video and telemetry:	See and record what the UAV sees in real time
Input voltage:	<ul style="list-style-type: none"> ◆ 12-30VDC (compatible with automotive power sources) ◆ Portable batteries available
Autonomous flight:	<ul style="list-style-type: none"> ◆ Point-and-click GPS waypoints flight path ◆ Automatic take-off and landing ◆ Hand-launchable

Easy operation



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User-friendly Ground Control Station software



Easy-to-carry, 4" x 48" tube case for rapid deployment and storage of UAV