



Infrastructure Inspection Vehicle

Features:

- Neutral center of gravity
- HD camera outside of prop circle
- Zero backlash DC closed loop drive gimbal
- Lightweight composite materials
- Proprietary chassis geometry (patent pending)
- Adaptive blade guards (patent pending)
- Retracting landing gear/guards (patent pending)
- Isolated sensor operator
- Very lightweight for long duration
- Hot swappable twin batteries
- Interchangeable modular components
- Exchangable avionics rack
- Snap on sensor mount
- Retracting float options
- Watertight avionics option



Ground Station:

- HD Receiver
- HD compact flash recorder
- Operator uplink Transmitter
- Dual monitors on tripod outdoor stands
- Comm relay
- Composite Station/case with tripod
- Laptop controller w/groundstation
- Optional alluminum directors chair

Adaptive Blade Guards

The Inspection Vehicle utilizes retractable blade guards that protect the airframe while in flight. The adaptable guards can be slaved to onboard avionics including camera vision, onboard IMU's, and sonar or other positional sensors.



Prop Guard in Up Position



Prop Guard in Horizontal Position



Landing Position

Technical Specifications:

Flight Duration(No Payload): 45 Minutes
Flight Duration (With Payload): 36 Minutes
All Up Weight (w/ Batteries): 11.75lbs
Battery Configuration: (2x) 6s 10,000 mAh Batteries
Set Up Time (From Carrying Case): 5 minutes