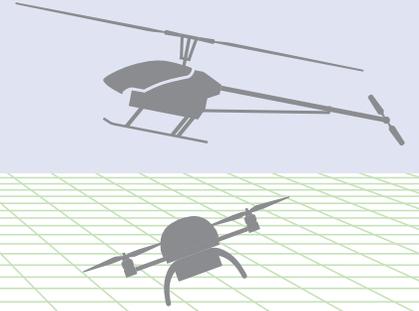




Leptron Avenger™ Helicopter UAV



BENEFITS

The Avenger™ offers a simple and robust platform to carry 10 lbs. of payloads for larger cameras, LIDAR, FLIR and multiple simultaneous sensors. The system is designed for industrial use with a maximum flight time and a minimum of flight experience necessary. The system has a military grade autopilot and GPS based navigation with a simple drag and drop user interface. The system is ready for flight in less than 3 minutes and flies in harsh weather conditions in order to get the job done. This patent pending design is approved by both the DoD and FAA.

FEATURES

- **Full Autopilot:** Dual Flight Mode with wireless hand-held and/or GPS based ground station
- **Safety:** Lost communication, low battery and other automated landing functions
- **Wind:** 40 MPH MFG recommended for optimal video output (tested up to 65 MPH)
- **High Performance:** Multi-layer carbon fiber, aircraft aluminum and ABS plastic
- **Ready-to-Fly:** No assembly or disassembly to unpack and fly
- **Ultimate Mobility:** Single case for Avenger, batteries, radio, 12" LCD and charger
- **Payload:** 10 lbs.
- **Payloads:** Turret cameras, dual FLIR and HD, Night Vision and custom options



Avenger™ with Surveillance
Camera Package



Leptron Unmanned Aircraft Systems, Inc.

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OPTIONAL PACKAGES

- **Photo Processing:** Ortho-rectified stitching, digital elevation maps, digital surface maps and 3D mapping
- **Ground Station Package:** Drag and drop GPS based software with hardware for automated flights
- **Custom Cameras:** Dual cameras (FLIR/HD), Multi-Spectral, Color Infrared and DSLR zoom packages
- **Payloads:** Chemical sensors, radiological sensors and specialty combination packages
- **Communications:** Analog, Digital, High Definition with long range options
- **GPS Upgrades:** Dual GPS, DGPS and RTK with Anti-Jamming capabilities

WHAT IS IN THE KIT

- Avenger™ Electric + Autopilot
- Wireless Remote Control
- Tools
- Battery Charger
- Hard Case
- Laser Altimeter
- 2 Flight Batteries
- 12" Carbon fiber daylight readable LCD
- Spare blades
- Voltage Tester
- Tripod
- Upgraded GPS (L1 and Glonass)

STANDARD SPECIFICATIONS

Main Rotor Diameter	1842 mm
Tail Rotor Diameter	285 mm
Height x Length	19.75" x 58"
Engine Power	10 HP Main Rotor, 2 HP Tail Rotor
Usable Payload	10 lbs. (Front or Under)
Operational Radius	1 Mile Standard, long-range upgradeable
Camera(s)/Sensors	Turret System, FLIR, SAR, HD Video/Still
Autopilot	Full-Featured Autopilot Ground Station with GPS waypoints, auto takeoff/landing, multi/single waypoints, altitude, velocity, heading, automated battery landing, flight.
Communications	L, S and C Bands, Encrypted/Unencrypted Digital

*Please observe local regulations.



GoPro Camera



Sony HDR Camera



Custom Camera

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