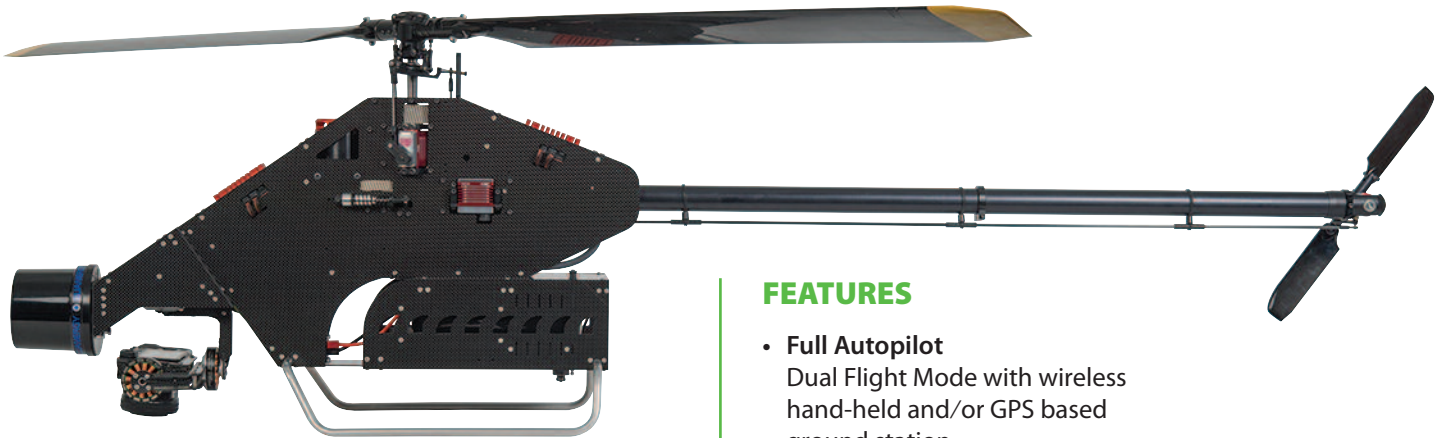


# Helicopter UAV

## Leptron Avenger™

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

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242

email: [sales@geotechenv.com](mailto:sales@geotechenv.com) website: [www.geotechenv.com](http://www.geotechenv.com)

# Helicopter UAV

## Leptron Avenger™

### 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

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

\*Please observe local regulations.



GoPro Camera



Sony HDR Camera



Custom Camera

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