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
**Lepton Avenger™ Helicopter UAV**

**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
- **Communications:** L, S and C Bands, Encrypted/Unencrypted Digital

*Please observe local regulations.

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