Payload Adaptable VTOL Surveillance Platform

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Phoenix 60

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The Phoenix 60 is a rugged vertical take-off and landing (VTOL) hexacopter unmanned aerial system (UAS) that can be integrated into any situation within minutes. Based on our Allerion 25 quadrotor UAS, the additional booms provide added thrust and redundancy to the system. The Phoenix 60 is packaged in one case that houses all needed components in the trunk or bed of a vehicle. It is ideal for use by the military, police and first responders alike. Equipped with a dual camera, electro-optical and thermal imager, pan and tilt stabilized gimbal, users can take advantage of both perspectives without the hassle of two separate camera systems. Additionally, we have designed a system option for tethered flight that produces mission times that mirror small aerostat capability.

Features

- C2 and video communications combined on single encrypted digital data link
- Compact, modular design
- 4-5 minute deployment time
- Powerful motor configuration for payload/weight flexibility
- Combined stabilized color and thermal imager payload
- User can manually "bump" vehicle hover position
- Fully autonomous system
- For longer endurance, tethered option with secure link

Specifications

**Phoenix 60**

- Length: 30"
- Width: 30"
- MGTOW: 15 lbs.
- Range: 1-2 miles LOS
- Payload Capacity: 3 lbs.
- Endurance: 40 minutes battery power
- Imagers: UAVS EO 10x zoom, 640x480 IR stabilized gimbal
- Operating Altitudes: 50-500 ft.

**Phoenix 60-T**

- Tether Length: 250 ft.
- Endurance: 12 hours

UAV Solutions, Inc. designs, manufactures and delivers innovative unmanned systems. Our state-of-the-art facilities allow us to rapidly design, assemble, integrate and test high quality production systems. Helping our public and private sector customers fulfill their most important missions is our passion.