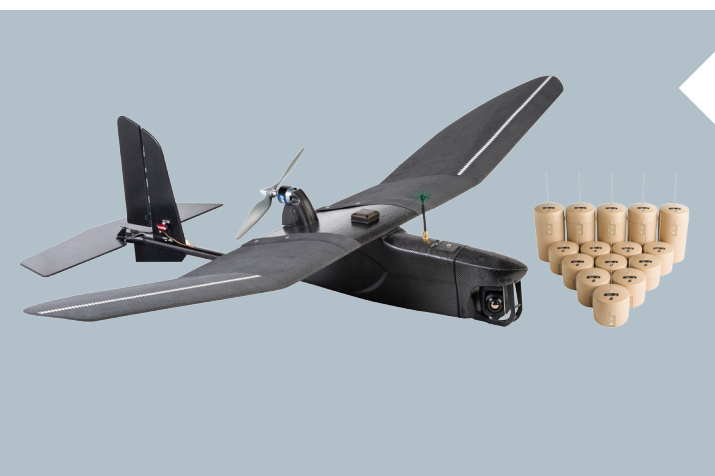




# K-HAWK

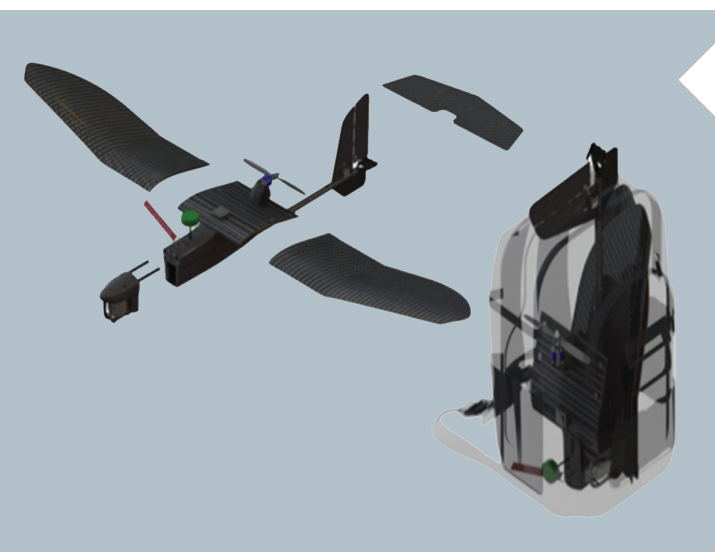
## SMALL UNMANNED AIR SYSTEM (sUAS)

RECONNAISSANCE AND SURVEILLANCE  
WITH LOW ALTITUDE OPERATION



### “FLY TO CUE” MISSION CAPABILITY

The K-Hawk sUAS provides real-time direct situational awareness and reconnaissance with an automatic “fly to cue” capability from Pathfinder footstep detection sensors. Upon detection of human footsteps, buried Pathfinder seismic sensors send GPS coordinates to K-Hawk that would then on command autonomously fly to the sensor alert location. K-Hawk’s flight duration and range are perfectly matched to the Pathfinder radio alert range of 8-10 km. Real time streaming video provides day/night/zoom capability maintaining target acquisition while orbiting.



### FEATURES

The K-Hawk back-packable system features one air vehicle, a ground control station, remote video terminal, and support equipment. The air vehicle can autonomously navigate a pre-planned route and steep stall auto-land or be controlled manually at any time.

The K-Hawk includes an independently controlled stabilized gimbal with a color electro-optical camera and an infrared camera for night operations. Multiple camera options are available. The air vehicle is hand-launched, weighs less than 5 pounds and has an endurance of up to 80 minutes.

# K-HAWK

SMALL UNMANNED AIR SYSTEM (sUAS)



## General Characteristics

**PRIMARY FUNCTION** Reconnaissance and surveillance with low altitude operation

**PAYLOAD** Nose mounted high resolution, day / night camera and thermal imager on independently controlled and stabilized gimbal mount. Camera can lock onto a target maintaining contact.

**WEIGHT** K-Hawk sUAS: 4.6 lbs (2.1 kilograms)  
Ground Control Station: 7 lbs (3.2 kilograms)

**WINGSPAN** 4.8 feet (1.46 meters) in three sections for rapid field assembly without tools

**SPEED** 20-50 mph (17-44 knots)

**RANGE** 8-10 km (4.9 – 6.2 miles)

**ENDURANCE** 60-80 minutes

**ALTITUDE** Operations: 100-500 feet above ground level (to 152 meters)

**CONSTRUCTION** Ruggedized / light weight carbon fiber composite

**POWER PLANT** Electric motor, rechargeable lithium polymer batteries

**LAUNCH** Hand-launch standing or from prone position lying on ground

**NAVIGATION** Automated waypoint navigation and steep stall landing or manual control

**RECOVERY** Automated steep stall landing in small open spaces

