

MKI

# HAWKEYE

MANPORTABLE MICRO UAS  
FOR ISR APPLICATIONS

aeraccess<sup>®</sup>  
airborne engineering research



The *HawkEye Mk1* is a light-weight nano UAS that provides immediate day & night real time reconnaissance for operators in the field.

The small size of the *HawkEye Mk1* allows for the system to be integrated in the operator suit for easy access and rapid deployment for tactical, ondemand, video feed. Inaudible at 150 feet AGL, it brings a stealth solution for intelligence covert missions.

Using a MESH secured network, the *HawkEye Mk1* is fully integrated with the existing equipment on the battlefield. The datalink and video transmission are encrypted. Using GPS navigation autonomous flight mode, the *HawkEye Mk1* is very easy to operate by a single user with the minimum training and is controlled via a ruggedized tablet with intuitive user interface.

Immediate Deployment  
Over the Wall Reconnaissance

Low Noise Signature



## IMMEDIATE DEPLOYMENT



## CONVOY RECONNAISSANCE

## CHARACTERISTICS

### Platform

Composition: **Composite & Magnesium alloy**  
Weight: **1.5 to 2 kg MTOW**  
Total length: **360 x 280 mm** from motor to motor  
**300 x 240 mm** folded

### Flight Performance

Flight time: **25 minutes | over 40 minutes**  
with high-endurance propulsion system  
Launch time: **3 to 5 minutes**  
Flight Speed: Up to **70 kph** ground speed

### Environment

Temperature: **-30°C to 50°C**

Wind: **70 kph** sustained, 90 kph gust  
Precipitation: **IP54**

### Payloads

Sensors: **EOIR**  
Day/Night operations: **Full-HD low light sensor**  
IR sensor: **Thermal 640x512**  
Video resolution: **EO sensor (1080p60 H.264),**  
**IR sensor (640x512)**

### Datalink

Frequency: **2.4 GHz** standard, custom frequencies  
available  
Encryption: **AES 256 Encryption** for video & data  
Range: **3 km** standard



## ONE MAN OPERATION



## FOLDABLE STRUCTURE



### FRANCE:

1 Rue Paul Badré  
91220 Brétigny-sur-Orge  
Tel: +33 1 60 85 81 03

### UNITED KINGDOM:

3<sup>rd</sup> Floor, 207 Regent Street  
London, W1B 3HH  
Tel: +44 7835 902584

### MAURITIUS:

4<sup>th</sup> Floor, 34 Ebene Heights  
72201 Ebene  
Tel: +230 5782 8378