

MKI

aeraccess[®]
airborne engineering research

HAWKEYE

MANPORTABLE MICRO UAS
FOR ISR APPLICATIONS



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



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: **20 minutes**

with high-endurance propulsion system

Launch time: **3 to 5 minutes**

Flight Speed: Up to **70 kph** ground speed

Environment

Temperature: **-20°C to 50°C**



CONVOY RECONNAISSANCE

Wind: **50 kph** sustained

Precipitation: **IP54**

Payloads

Sensors: **EOIR**

Day/Night operations: **Full-HD low light sensor**

IR sensor: **Thermal 640x512**

Video resolution: **EO sensor (720p60 H.264),**

IR sensor (640x512)

Datalink

Frequency: **2.4 GHz** standard, custom frequencies available

Encryption: **AES 256 Encryption** for video & data

Range: **2 km** standard



ONE MAN OPERATION



FOLDABLE STRUCTURE



FRANCE:

1 Rue Paul Badré
91220 Brétigny-sur-Orge

Tel: +33 1 60 85 81 03

MAURITIUS:

4th Floor, 34 Ebene Heights
72201 Ebene

Tel: +230 5782 8378

contact@aeraccess-group.com - www.aeraccess-group.com