

AXON
LOKI MkII
sUAV
Recon
System



AXON LOKI MkII sUAV Recon System Owner's Manual

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AXON LOKI MkII sUAV Recon System



Specifications

- **Dimensions:**

- **Length:** 245 mm (9.64 in)
- **Width:** 190 mm (7.48 in)
- **Height:** 90 mm (3.54 in)

- **Weight (without battery):** 0.83 lb (380 g)

- **Maximum Payload:** 0.33 lb (150 g)

- **AverageSpeed:** 10 m/s [20 kt]

- **Average Range:**

- **Line-of-sight (LOS):** 1 mi
- **Non-line-of-sight (NLOS):** 164 yd [LOS 1.6 km, NLOS 150m]

- **Flight Endurance:** 15 min

- **Stationary Operation Endurance:** 200 min

- **Operating Temperature Range:** -4 to 122 degrees F [-20 to 50 degrees C]

- **Power Source:** LiPo3S 2400 mAh (replaceable)

Product Usage Instructions

Flight Controls

The Loki MkII features automatic altitude hold and speed control functions for intuitive piloting. Ensure you are familiar with these controls before operating the quadcopter.

Position Hold

Utilize the precise GPS-like 3D position hold feature, even in total darkness, to maintain stable flight and accurate navigation.

Camera Usage

The quadcopter is equipped with a wide-angle low light camera for both day and night use. Familiarize yourself with the camera controls and settings for optimal footage capture.

Specialized Modes

Experiment with specialized modes such as Floor (rover style) and Turtle (smart directional flip) to enhance your indoor operations and maneuverability.

Durability Features

The impact-resistant polycarbonate body structure allows for hand-thrown launches and precise assisted landing. Handle the quadcopter carefully to maintain its durability.

Visual Capabilities

Take advantage of the dimmable and selectable IR LEDs for enhanced flight stability, video clarity, and night-vision lighting. Adjust the settings based on your operational needs.

Real-Time Control

Ensure minimal lag and screen freeze during operation for optimal performance in tactical scenarios. Practice responsive real-time control to maximize the quadcopter's capabilities.

FAQ

Q: What is the average flight endurance of the Loki MkII?

A: The Loki MkII has an average flight endurance of 15 minutes.

Q: Can the battery be replaced during operation?

A: Yes, the power source is a replaceable LiPo3S 2400 mAh battery.

Q: What is the maximum payload capacity of the quadcopter?

A: The Loki MkII can carry a maximum payload of 0.33 lb (150 g).

RECONNAISSANCE

TACTICAL QUADCOPTER FOR SHORT-RANGE RECONNAISSANCE

The Sky-Hero by Axon Loki MkII is an indoor small uncrewed air vehicle (sUAV) system purpose-built for close quarters, under-roof tactical scouting missions. Reliable and rapid situational awareness allows for precise decision-making while minimizing risks to team safety.

The Sky-Hero by Axon Loki MkII is controlled by the GCS MkII, and can be flown under the control of a single operator alongside the Sigyn MkI and Narfi MkI.

FEATURES AND BENEFITS

INTUITIVE FLIGHT CONTROLS

Automatic altitude hold and speed control functions for intuitive piloting

3D POSITION HOLD

Precise GPS-like 3D position even in total darkness

WIDE-ANGLE LOW LIGHT CAMERA

Forward-facing, ultra low light day and night camera with a 150-degree viewing angle without fisheye

SPECIALIZED MODES

Modes such as Floor (rover style), and Turtle (smart directional flip) for enhanced indoor operations

DURABLE IMPACT-RESISTANT DESIGN

Body structure made of impact-resistant polycarbonate allows for hand-thrown launches and precise assisted landing

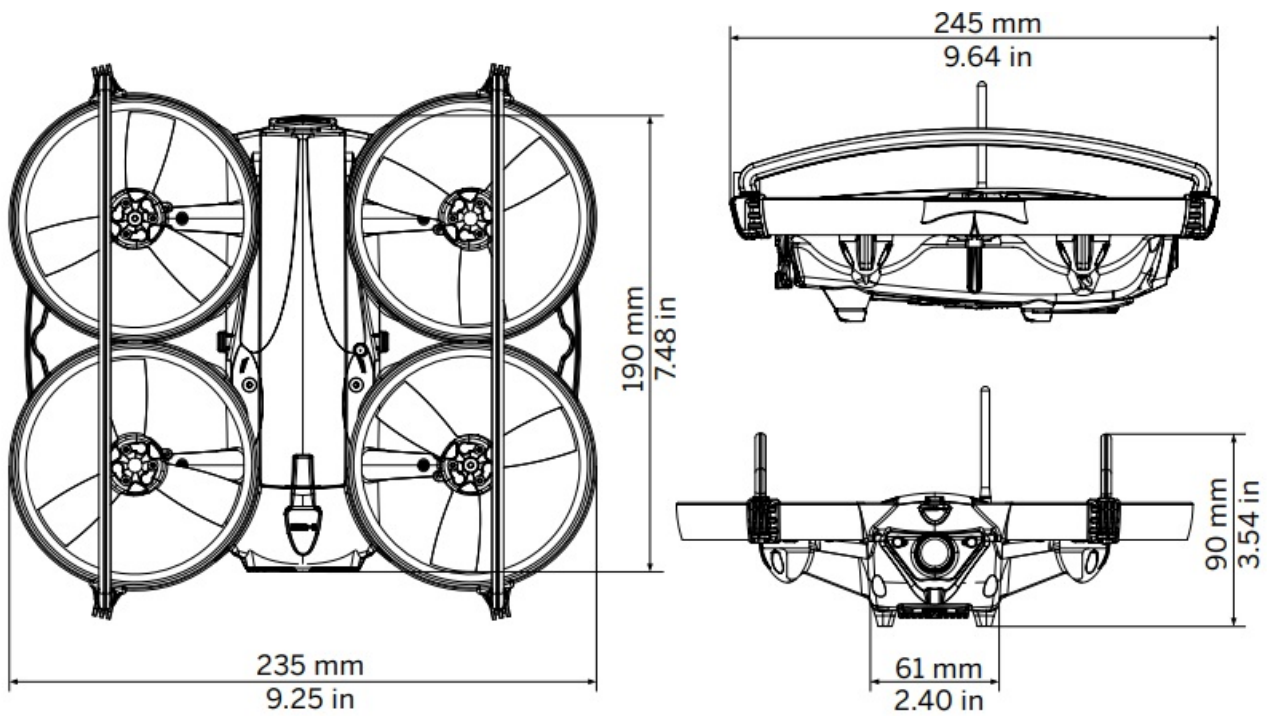
ENHANCED VISUAL CAPABILITIES

Dimmable and selectable IR LEDs on front and underside of sUGV provide excellent flight stability, video clarity and night-vision lighting

RESPONSIVE REAL-TIME CONTROL

Minimal lag and screen freeze ensures optimal performance in tactical operations

DIMENSION



SPECIFICATION

AVERAGE SPEED 10 m/s [20 kt]	AVERAGE RANGE Line-of-sight (LOS) 1 mi, Non-line-of-sight (NLOS) 164 yd [LOS 1.6 km, NLOS 150m]	FLIGHT ENDURANCE 15 min
STATIONARY OPERATION ENDURANCE 200 min	WEIGHT [WITHOUT BATTERY] 0.83 lb [380 g]	MAXIMUM PAYLOAD 0.33 lb [150 g]
OPERATING TEMPERATURE RANGE -4 to 122 degrees F [-20 to 50 degrees C]	POWER SOURCE LiPo3S 2400 mAh [replaceable in <15 seconds]	TRANSMISSION FREQUENCIES C&C: 868/915 MHz, A/V: 5.8 GHz
	ENCRYPTION AES-256	

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Documents / Resources



[AXON LOKI MkII sUAV Recon System](#) [pdf] Owner's Manual
GCS MkII, Sigyn MkI, Narfi MkI, LOKI MkII sUAV Recon System, LOKI MkII, sUAV Recon System, Recon System, System

References

- [User Manual](#)

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