



sUAV Recon System

RUGGEDIZED SMALL TACTICAL QUADCOPTER DESIGNED FOR SHORT-RANGE RECONNAISSANCE IN DARK INDOOR OBSTACLE-RICH ENVIRONMENTS AND GPS-DENIED AREAS

The **Loki MkII** is the world's most incredible, small, indoor, tactical UAV system. It is purpose built for close quarter, under-roof, tactical scouting missions.

Operating in congested and dark environments, its purpose is to provide audio/video feeds from virtually anywhere, providing critical intelligence of existential threats within an area.

The Loki MkII is controlled by the **GCS MkII**, allowing an operator to select from up to 4 connected unmanned vehicles.

It delivers reliable and rapid situational awareness for precise decision making, whilst minimising risks to team safety.



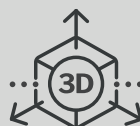
Impact Resistant

Body structure made of impact resistant polycarbonate, based on high-pressure mold injection process



Accurate Detection

Forward-facing ultra low light, day/night camera with 150° wide angle field of view, without fisheye



3D Position Hold

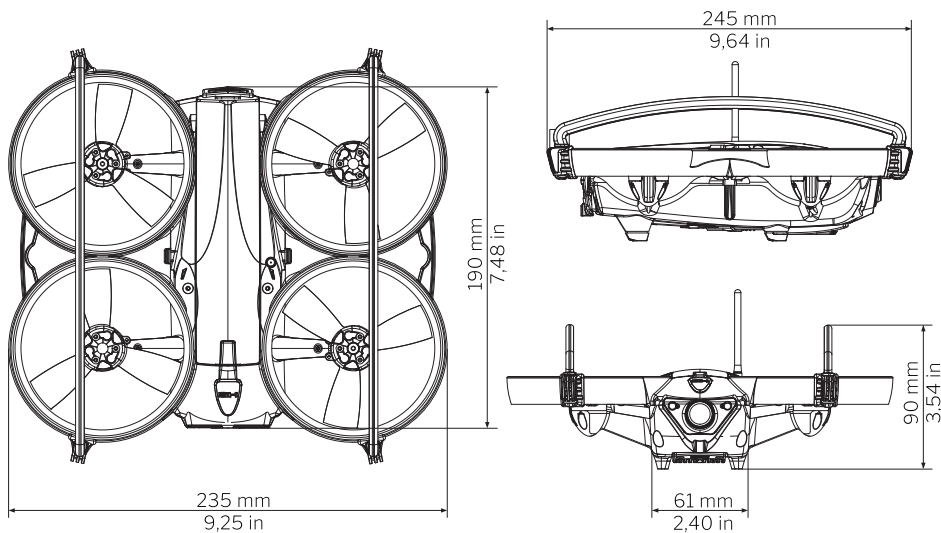
GPS-like position hold using complex algorithms based on advanced computer vision



Field Proven

Deployed by 500+ agencies worldwide on multiple fields of operations

#1 BLUEPRINT



#2 SPECS

Average Speed	10 m/s 20 kt
Flight Endurance	15 min
Sentry Endurance	200 min
Avg. Range	LOS 1,6 km 1 mi NLOS 150 m 164 yd
Weight	w/o battery 380 gr 0,83 lb
Payload	max weight 150 gr 0,33 lb
Ops Temperature	-20°C to 50°C -4°F to 122°F
C&C Encryption	AES-256
Frequencies	C&C: 868/915 MHz A/V: 5.8 GHz
Power Supply	LiPo3S 2400mAh Replaceable <15 sec

Basic equipment

6-axis IMU, Barometer, Sonar, Optical Flow, EO/IR Camera, HD Mic, 4x IR LEDs

#3 FEATURES

- The rapid deployment design, allows for hand thrown launches and precise assisted landing
 - Optimized modes for indoor operations, such as **Floor** (rover style) , **Turtle** (smart directional flip) ...
 - Precise 3D position hold **without GPS**, even in total darkness
 - **Self-generated independent communication** networks offering complete cyber-security
 - Intuitive and simplified piloting using automatic **altitude hold** & speed control functions
 - **Analog audio/video signal**, scrambled via FPGA, which prevents lag or screen freeze
 - Dimmable and selectable **IR LEDs** on front and bottom providing; flight stability, video clarity NVGs lighting without typical snowflake effect
 - Complete telemetry data, sensor performance indicators, and estimated remaining flight time via Sky-Hero's proprietary ground controller, **GCS MkII**
 - Can be **combined with Sigyn Mkl and Narfi Mkl** under the control of a single operator

A game changer for interior deployments

#4 ADD-ONS

- Additional hardpoint for **payloads, sensors, and actuators**
- **Tactical Wearable Screen** to feed entire team with sUAV A/V intel
- Custom **backpack and pouch**



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