



Sigyn ^{Mkl}

sUGV Recon System

AN EXTREMELY EASE TO USE - POCKET-SIZED, LIGHTWEIGHT, THROWABLE GROUND ROBOT, PURPOSE-BUILT TO PROVIDE REAL-TIME AUDIO/VIDEO INTELLIGENCE

The **Sigyn Mkl** is a rugged, simple-to-use, throwable ground device, providing support for indoor operations in difficult to access and hazardous places.

Designed and made in Europe with top in-class materials, this compact robot can sustain heavy use and deliver reliable audio/video situational awareness.

Our sUGV provides both front & rear, wide angle low light cameras, eight controllable IR LEDs and a payload connection system. Allowing the execution of complex tactical missions from a safe stand-off distance, in any light conditions.



Crash Proof

Main skeleton made of aviation grade carbon fibre and reinforced polycarbonate frame



Dual Camera

Embedded inertial motion sensor, allowing smart drive modes and auto-selection of forward-facing camera



One-Hand Throw

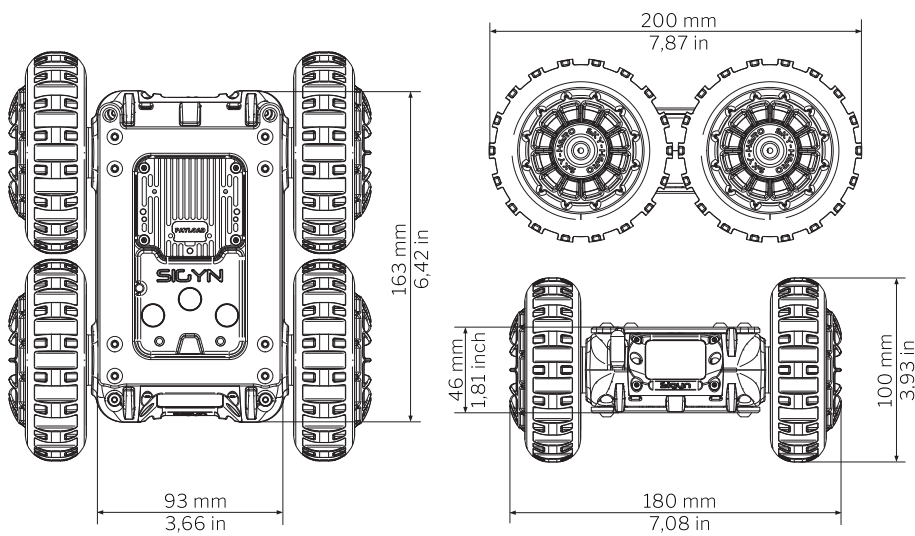
Light uncrewed ground robot, designed to be thrown where needed to explore and relay intel



Removable Batteries

Uses market-standard batteries, swapped within 30 seconds

#1 BLUEPRINT



#2 SPECS

| | |
|---|--|
| Average Speed | 1,7 m/s 3,8 mph |
| Drive Endurance | 120 min |
| Sentry Endurance | 300 min |
| Range | 150 m 164 yd |
| Weight w/o battery | 1150 gr 2,53 lb |
| Max Payload | 2 kg 4,40 lb |
| Ops Temperature | -20°C to 50°C -4°F to 122°F |
| Encryption | AES-256 |
| Frequencies | C&C: 868/915 MHz A/V: 5.8 GHz |
| Power Supply | 2x Li-Ion 3000mAh Replaceable <30 sec |
| Basic equipment | |
| 6-axis IMU, 2x EO/IR Camera, HD Microphone, 8x IR LEDs | |

#3 FEATURES

- Embedded 6-axis accelerometer and gyroscope provides the pilot with **multiple assisted driving modes**
- **Good shock resistance** due to its lightweight design and rugged construction. Can be dropped into a basement, thrown onto a roof or tumble down steps. Fall resistant to 6 m | 19,6 ft
- **Symmetrical design and oversized wheels**, , allows the ground rover to negotiate small obstacles, turn in place CW/CCW with a high degree of precision and not be knocked over
- **High situational awareness** via dual night/day camera with a 150° angle of view
- **Analog audio/video signal**, scrambled via FPGA, which prevents lag or screen freeze
- **Dimmable and selectable IR LEDs** on front, back and top providing excellent video clarity and NVGs lighting without typical snowflake effect
- Controlled by Sky-Hero's proprietary ground controller, the **Sigyn MkI**, can be mixed with Loki MkII and Narfi MkI under one operator's control

Enhance the safety of indoor missions

#4 ADD-ONS

- Integrated connector for additional **sensors, payloads, and actuators**
- **Tactical Wearable Screen** to feed entire team with sUGV A/V intel
- Custom **backpack and pouch**



GET IN TOUCH

contact@sky-hero.com | 18 Rue d'Enghien
<https://sky-hero.com> | B-1080 Brussels - BELGIUM

