

SIGYN MkI

sUGV RECON SYSTEM



SKY-HERO

by AXON

THROWABLE GROUND ROBOT FOR REAL-TIME INTELLIGENCE

The Sky-Hero by Axon Sigyn MkI is a rugged, lightweight and throwable small uncrewed ground vehicle (sUGV) purpose-built to collect and transmit real-time audio/video intelligence. Ideal for short-range reconnaissance missions in obstacle-rich environments and GPS and cellular-denied areas.

The Sky-Hero by Axon Sigyn MkI includes front and rear wide-angle, low-light cameras, and eight controllable IR LEDs to enhance the safety and success of tactical missions.

FEATURES AND BENEFITS

CRASH-PROOF DESIGN

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

LIGHTWEIGHT AND THROWABLE

Easily throw sUGV into spaces to explore and relay intel

DUAL CAMERA SYSTEM

Improve situational awareness via dual night and day camera with 150° horizontal and 120° vertical angles of view

EMBEDDED INERTIAL MOTION SENSOR

Enable smart drive modes and auto-selection of forward-facing camera rapid deployment by a single operator in less than a minute

QUICK-SWAP BATTERIES

Easily swap market-standard batteries within 30 seconds

ADVANCED MOTION SENSORS

Provide pilots with multiple assisted driving modes

ALL-TERRAIN CAPABILITY

Easily negotiate small obstacles, turn in place with a high degree of precision and successfully right overturned sUGV [when no payloads are attached]

HIGH VIDEO CLARITY

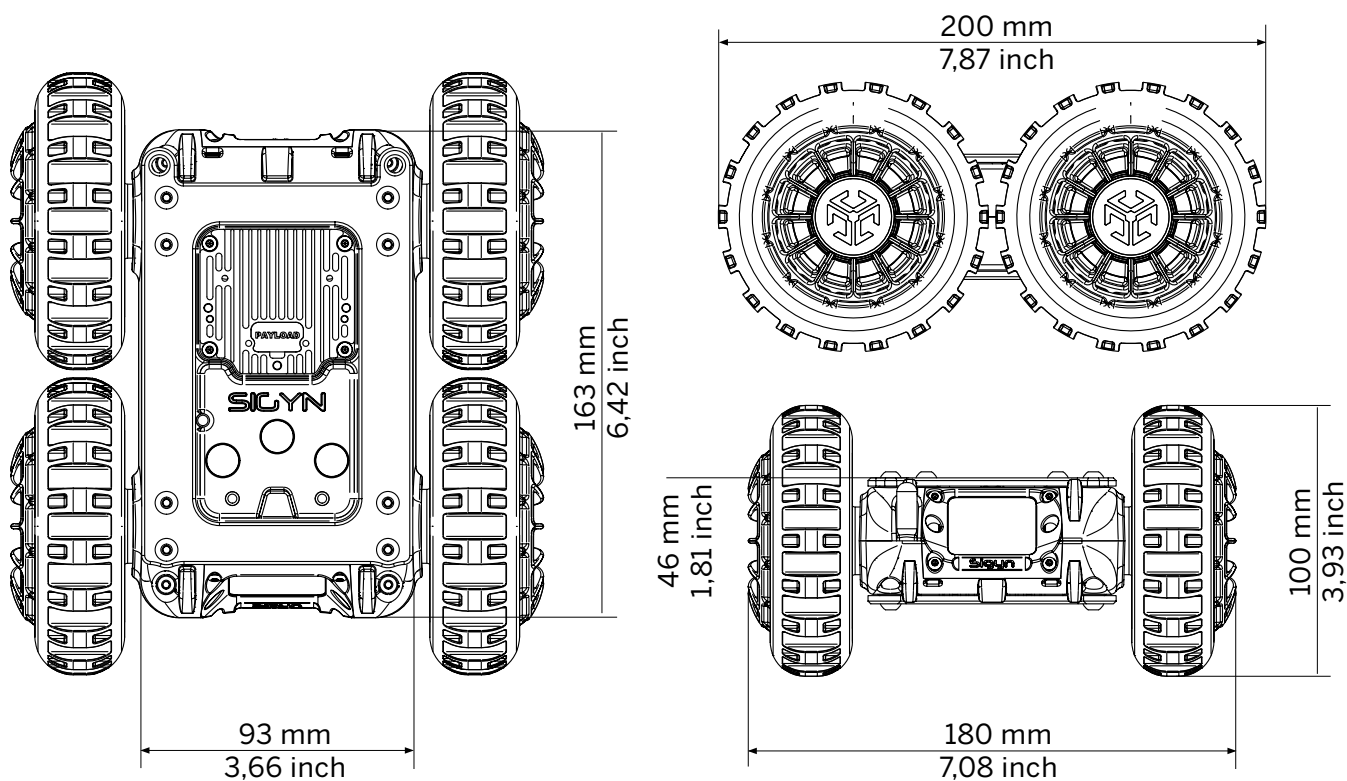
Dimmable and selectable IR LEDs on front, rear, top and underside of sUGV provide excellent lighting, including night-vision lighting

RESPONSIVE REAL-TIME CONTROL

Minimal lag and screen freeze ensures optimal performance in tactical operations

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FEATURES AND BENEFITS

MAXIMUM SPEED 2.57 mph [1.15 m/s]	DRIVE TIME 120 min	STATIONARY OPERATION ENDURANCE 300 min
AVERAGE RANGE 164 yd [150 m]	WEIGHT [WITHOUT BATTERY] 2.53 lbs [1.15 kg]	MAXIMUM PAYLOAD 4.40 lbs [2 kg]
OPERATING TEMPERATURE RANGE -4 to 122 degrees F [-20 to 50 degrees C]	DROP TEST DURABILITY Fall-resistant to 119.6 ft [6 m]	POWER SOURCE 2x Li-ion cell 3000mAh [replaceable in <30 seconds]
TRANSMISSION FREQUENCIES C&C: 868/915 MHz, A/V: 5.8 GHz	ENCRYPTION AES-256	STANDARD EQUIPMENT 6-axis IMU, EO/IR Camera [x2], HD Microphone, IR LEDs [x8]

