



**COMBAT
PROVEN**



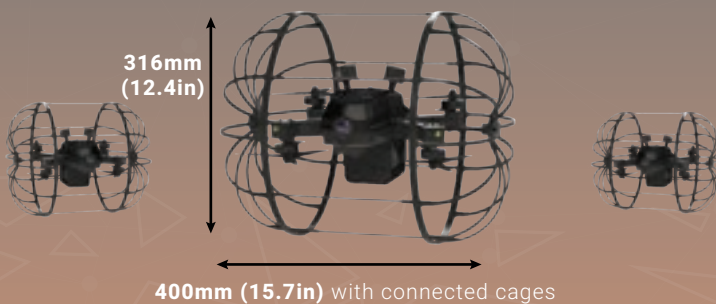
THE ULTIMATE INDOOR DRONE SYSTEM



HYBRID ROBOTIC DRONE

Used by modern militaries, special forces, first responders for a variety of missions: ISR, search & rescue and SWAT . The Rooster is a revolutionary hybrid system for indoor and underground unmanned missions using MESH communication. **It rolls! it flies! it's the ultimate indoor tactical reconnaissance system.**

THE SYSTEM CONTAINS 3 Rooster drones



Control unit



Ruggedized case



OPERATIONAL USE

Combat-proven

Indoor & outdoor
missions

Subterranean
environment

Communication
deprived areas

FIRST IN, LAST OUT

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SYSTEM CAPABILITIES

Mesh communication

Multiple Roosters operated simultaneously by a single operator and have high-quality transmissions in communication-deprived environments.

Hybrid

Fly as a drone Roll as a robot.

Enhanced energy efficiency

For extended operation time while rolling.

Easy to use

Easy to assemble, easy to carry, easy to control.

Optional payloads

For wide range variety of missions.

Robust cage protection

Rolling propeller guard design.

Specially designed for confined spaces

Tunnels, inside buildings and in communication-denied areas.

SPECS

Weight

1620 gr (3.57lbs) ~

Communication frequency

2.1 - 2.5 GHz

Max roll time

30 min

Communication topology

Mesh (3 platforms)

Max hovering time

12 min

Video format & resolution

1080p/720p/480p

Payload option

300 gram (0.66lbs)

Camera type

Day / Low light / NIR

Typical mission time

60 - 90 min

Lens angle

130° HFOV, 90° VFOV

ROOSTER FLIGHT & TRAINING USING SPHERA SIMULATION

Alongside our advanced robotics and drone capabilities, we offer SITL & HITL services through the Sphera Simulation System **developed by Robotican**. This tool adds significant value to the Rooster by providing a risk-free virtual environment where users, both professional and untrained, can practice and refine their skills.

With Sphera, operators can simulate real-life scenarios, enhance mission performance, and gain valuable experience

without risking equipment. This service ensures smoother integration, faster adoption, and better overall readiness, maximizing the Rooster's potential for success.



TACTICAL CARRYING BAG

The tactical bag, designed for the Rooster drone system, provides a reliable and efficient way to transport the entire system during missions. Built for comfort and durability, it ensures the Rooster stays secure and protected, with a robust design that withstands high-intensity environments. Whether for special or routine operations, this bag is essential for maintaining the drone's performance and safety.

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SPECS

Width
35cm / 42cm

Max weight capacity
30kg (66lbs)

Height
53cm (20in)

Materials
Foam & toughening

Weight
8.4kg (18.5lbs)

FRONT



BACK



ADDITIONAL VARIOUS PAYLOADS

Custom-made payloads by client demand

TC-54

Thermal camera



RS-X5

Radiation sensor



OS-91

Oxygen sensor



COMMANDER UNIT



Watch the Rooster in action from a mobile platform, from anywhere & always! stay in control as the mission goes.

ROBOTICAN is an Israeli company, privately owned, developing and manufacturing intelligent autonomous UAS, UGV's & robotic solutions. Since 2013 we are making smart-tech products for a safer world.

**SCAN
TO WATCH
THE ROOSTER
IN ACTION**

