



SkyCop™ Drone

Level 5 Autonomous Drone That Can Monitor Threats

The SkyCop™ drone is a sophisticated unmanned aerial vehicle that has been specifically developed to enhance the safety of the airspace by detecting and mitigating the risks posed by unauthorized drones. This state-of-the-art device serves as a "police force of the sky," capable of monitoring, recording, and intercepting drones that pose a potential threat to the airspace.

The SkyCop™ drone features advanced technology and is equipped with various sensors, cameras, and communication systems that allow it to detect, track, and identify unauthorized drones in real-time. Its compact and lightweight design makes it easy to operate and maneuver in different environments.

The drone's fail-safe systems are designed to prevent accidents and malfunctions, ensuring that it operates safely and reliably. The drone is capable of withstanding harsh weather conditions, making it ideal for deployment in various environments.

Specifications

- Range: 4 km
- Flight time: <=25 minutes
- UAV Wheelbase: 800 mm
- Weight (including battery and payload): <6 kg
- Max launch altitude (mean seal level): 3000 m
- Typical cruise speed: 12 m/s
- Minimum functional temperature: -2/ -3 degrees
- Deployment time: < 5 min
- Packing & Storage: Backpack (hardcase& softcase)
- Wind resistance: 20-25 km/hr
- Compliant to DGCA policies: Yes

Payload - Features

Dual Camera 30X

- Object tracking
- Laser night vision
- 1080P support @ 50 FPS
- $\pm 0.008^\circ$ 3-Axis gimbal stabilization

Thermal Camera

- 10X Optical zoom
- Fast-focusing function
- One key return function
- Can work in conditions ranging from -10°C TO 45°C

4K Zoom Camera

- 3.5X Optical zoom
- Target tracking function
- Supports GPS information recording
- 1080P support @ 50 FPS

Mapping Camera

- Effective megapixel 24.3 MP/20MP
- HDMI and USB 2.0 support with image stabilization
- Body only weight: 105 g