



HEAVY BOT 4

TACTICAL SURVEILLANCE UAV

Defence | Police | Internal Security Operations

Tactical multi-rotor UAV designed for real-time intelligence, surveillance and reconnaissance (ISR) missions. Optimized for law enforcement, border security and critical response operations with long endurance, stabilized imaging and autonomous mission capability.

OPERATIONAL CAPABILITIES

- Area surveillance and perimeter security
- Target tracking (human / vehicle)
- Route and convoy monitoring
- Urban and rural reconnaissance
- Crowd monitoring and law enforcement support
- Search and visual reconnaissance missions



FLIGHT PERFORMANCE

Endurance: Up to 40 minutes
Range: Up to 10 km
Payload Capacity: Up to 2 kg
Speed: 20–22 km/h
Wind Resistance: 35–40 km/h
Operating Temp: -10°C to +50°C

AIRFRAME

Configuration: Quadcopter (X-frame)
Material: Carbon Fiber
Foldable: Yes
VTOL: Yes

MISSION & CONTROL

Manual / Autonomous Modes
Waypoint Navigation
Terrain Avoidance & Hugging
GPS-Denied Navigation
Moving Target Tracking
Return-to-Home
Tablet-based Ground Control Station

SURVEILLANCE PAYLOAD

Product Size: 62*65*86mm
Weight: 117g
Working Temperature: (-10~50)
Output Interface: LAN port
Resolution for photography and video recording: 2560*1440
Control accuracy: 0.1

High precision three-axis: Direction, pitch, and roll

Visible light camera parameters

Resolution: 2560*1440
RTS stream resolution: 1280*720

Thermal imaging camera parameters

Resolution: 384*288
Focal length: 7mm
Aperture: F1.0
FOV: 24.8x18.7

Mission Ready | Field Proven | Rapid Deployment