# AEROSENTRY PATROL

Portable Networked Drone Detection

Long-range detection | Airspace Intelligence

DRONEDEFENCE

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# AEROSENTRY PATROL.

MOBILE DRONE DETECTION

DETECTION OVER 1KM

**AeroSentry Patrol is a handheld, full-spectrum drone detection and tracking device designed for rapid deployment and seamless integration with the AeroTracker platform. It provides real-time intelligence on nearby drone activity, pilot location, and signal characteristics. Engineered for security-conscious users, the device features cyber-hardened firmware and ensures that all data is securely hosted on UK-based servers, with no external telemetry.**

With up to four units linked to a single AeroTracker account, AeroSentry Patrol enables a federated, multi-operator view of local airspace. Whether deployed at stadiums, open-air events, critical infrastructure, or by emergency services teams, it transforms situational awareness and supports faster, more informed responses to drone incursions.

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| **Handheld portable unit** | Cyber-secure firmware | All weather system | Detection up to 3km |

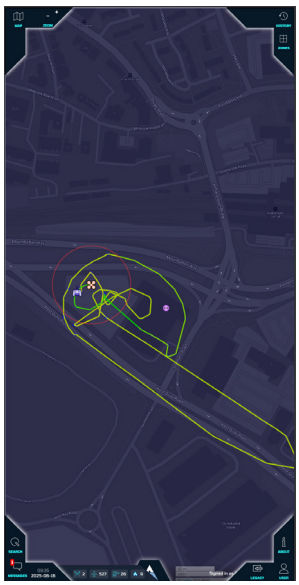
## KEY FEATURES

- Portable, single-operator handheld unit (650g)
- Real-time detection of DJI, FPV, DIY and other common drones
- Pilot/remote control geolocation and tracking
- Cyber-secured firmware
- Full integration with AeroTracker: map overlay, alert zoning, playback
- UK data hosting and GDPR-compliant cloud platform
- Visual, audible, and haptic alerts
- 4 units supported per AeroTracker account (standard license)

## AEROTRACKER PLATFORM INTEGRATION

When connected to AeroTracker, AeroSentry Patrol becomes part of a wider detection ecosystem. Data from multiple handhelds can be correlated with radar, ADS-B, and optical feeds to deliver:

- Centralised map-based airspace view
- Configurable alert zones and escalation pathways
- Detection playback and audit logs
- Role-based user access and multi-site monitoring



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## TECHNICAL INFORMATION

| | |
|---|---|
| Dimensions | 185mm x 88mm x 40mm (Excluding antenna) |
| Weight | 650g (Including battery and antenna) |
| Detection range | 1.5 - 2km (Urban)<br>2 - 3km (Open area) |
| Detection method | Passive detection |
| Power | External lithium battery (3.7V) |
| Battery life | 4-6 hours (Field use) |
| Operating system | Android 12 (Securely ardened) |
| Ingress protection | IP54 (Dust/Splash resistant) |
| Charging | USB Type-C (Rapid charge supported) |
| Storage | 8 GB internal / 256 GB memory |
| Positioning | GNSS-Enabled device + drone/pilot triangulation |
| Display | 6" touchscreen, 1080x2160 resolution |
| Log export | When exporting logs, information shown includes:<br>UAV model<br>Frequency<br>Field strength<br>Detection time |