

# AEROSENTRY PATROL

Portable Networked Drone Detection  
Long-range detection | Airspace Intelligence



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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.

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

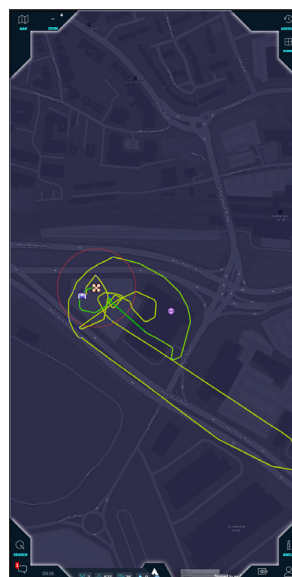


4 units supported per AeroTracker account (standard license)

## 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



## TECHNICAL INFORMATION

Dimensions	185mm x 88mm x 40mm (Excluding antenna)
Weight	650g (Including battery and antenna)
Detection range	1.5 - 2km (Urban) 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 hardened)
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: UAV model Frequency Field strength Detection time

**Disclaimer**

We hereby emphasise that while every effort is made to ensure the effectiveness and reliability of our drone detection system, we cannot guarantee its performance under all circumstances. Factors such as environmental conditions, technological limitations, and the actions of third parties may impact the system's efficacy. Furthermore, users acknowledge and agree that the performance of the drone detection system may vary based on factors beyond our control, including but not limited to: Variations in weather conditions, terrain, and geographical features.  
Interference from electromagnetic signals or radio frequency (RF) noise.  
Changes in drone technology, including advancements or modifications made by drone manufacturers.  
Legal restrictions or regulatory limitations that may affect the operation of the system.

**Human error or misuse of the system.**

It is essential for users to conduct thorough validation and testing of the drone detection system within their specific operational environment. This validation process should include assessing the system's performance under various conditions relevant to the intended application. Users are encouraged to consult with our technical support team for guidance on validation procedures and best practices.  
By using our drone detection system, users acknowledge that the performance of the system may not be flawless or error-free and agree to hold us harmless from any liabilities arising from the system's performance or lack thereof. We shall not be held liable for any direct, indirect, incidental, consequential, or special damages resulting from the use or inability to use the drone detection system, even if we have been advised of the possibility of such damages.