

RESPONDER - HANDHELD DETECTOR



Portable Networked Drone Detection
Long-range detection for enhanced Airspace situational awareness

HANDHELD DRONE DETECTOR "RESPONDER"

• PRODUCT OVERVIEW

RESPONDER is a portable, handheld drone detector engineered for real-time detection, identification, and geolocation of a wide range of UAVs and their controllers. Built for rapid deployment and either standalone or seamless integration with the ARGUS C2 platform, it delivers instant situational awareness through a simple, user-friendly graphical interface—empowering operators to make informed, timely decisions.

Whether deployed at stadiums, open-air events, critical infrastructure sites, or by emergency services teams, RESPONDER enhances threat awareness and supports faster, more effective responses to drone incursions.



Handheld
portable unit

Detection up
to 3km

RemoteID
compatible

ATAK
Integration

• KEY FEATURES

- ✓ **Wi-Fi & LTE Connectivity**
Operates in connected or standalone modes
- ✓ **Sensor, Drone & Pilot Positioning**
Real-time geolocation of sensor, UAVs and their controllers
- ✓ **Full Flight Path Tracking**
Visualise historical and live flight paths on an interactive map
- ✓ **Street & Satellite-Level Mapping**
Supports multiple map views for operational flexibility
- ✓ **Whitelist Functionality**
Authorise known or friendly drones to reduce false positives
- ✓ **Historical Data Playback**
Review and replay previous UAV activity
- ✓ **Detection & Recognition**
Real-time detections of DJI, FPV, DIY and 700 other drones
- ✓ **User-Defined Frequency Detection**
Add custom RF bands for specialist detection scenarios
- ✓ **Remote ID Compatibility**
Detects and displays compliant Remote ID broadcasts
- ✓ **Unique 3rd Party C2 Integration**
Supports interfacing with ARGUS C2 system

• USER CASE SCENARIOS



LAW
ENFORCEMENT



EVENT
SECURITY



INFRASTRUCTURE
PROTECTION



PRISONS



FILM SET /
STUDIOS



VIP / CLOSE
PROTECTION

When connected to ARGUS C2, DEFENDER becomes part of a wider detection ecosystem. Data from multiple handhelds can be correlated with ADS-B and other sensor feeds to deliver:

- Centralised map-based airspace common operating picture
- Configurable alert zones and escalation pathways
- Full detection playback and intelligence logs
- Role-based user access and multi-site monitoring



CADWING - RESPONDER

TECHNICAL INFORMATION

Dimensions	185mm(h) x 88mm(w) x 40mm(d) (excluding antennas)
Weight	650g (including battery and antennas)
Detection Range	1.5 - 2km (urban) 2 - 3km (open area)
Detection Method	Passive Detection
Detection Frequency Range	100mHz - 6GHz
Power	Internal lithium battery (3.7v / 8000mAh)
Battery Life	4 - 6 hours (field use)
Operating System	Android 12 (Secure Boot)
Ingress Protection (IP Rating)	IP54 (Dust / Splash resistant)
Charging	USB Type-C (Rapid charge supported)
Storage	8GB internal memory / 256GB storage
Positioning	GNSS-Enabled device + drone / pilot triangulation
Display	6" touchscreen, 1080x2160 resolution
Connectivity	LTE and WiFi (subject to appropriate SIM plan)

LAW ENFORCEMENT



EVENTS / STADIUMS



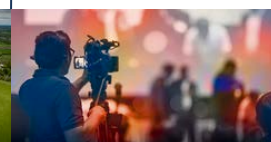
CRITICAL INFRASTRUCTURE



PRISONS



FILM SETS



ATAK INTEGRATION



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