

Perimeter Drone Detector

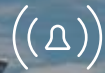
Passive radio frequency-based detection of drones and controllers for perimeter protection.



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EXTREME TEMPERATURES



ALARMS PROVIDED



DIRECTIONAL ANTENNAS



WATERPROOF IP67



LONG RANGE DETECTION

Distinctive advantages

FIELD-TESTED DURABILITY

- Proven in high-stakes scenarios like military operations and perimeter protection, the Watchdog 202 guarantees reliability.

COMPACT, DISCREET, VERSATILE

- As one of the smallest RF drone detectors, it integrates seamlessly into e.g. prisons, military camps, and critical infrastructure.

EASY, FLEXIBLE INSTALLATION

- Quickly mountable on buildings, poles, or tripods. Powered by PoE for plug-and-play setup, it is operational in minutes.

ADVANCED DETECTION

- Pinpoint drones and their pilots with directional RF detection, geolocation, and real-time identification.



Watchdog
202

Watchdog 202 RF Detector

The Watchdog 202 delivers crucial information about drone make/model, protocol, and vendor by detecting control signals and video feeds sent to and from the drone. It can also pinpoint the direction of the detected signal. When combined with multiple sensors in a scalable network, this directional data helps triangulate the drone's or pilot's geolocation. The situational awareness system, which includes integration and jammers, offering a comprehensive counter-UAS and electronic warfare defence.

Installing the Watchdog 202 is straightforward. You can mount it on a building, tree, pole, or tripod using quick attachment points. Powered by PoE, the device connects easily to a network server and sets up in minutes. Moreover, it operates through the MyDefence Situational Awareness System, IRIS user interface or can be integrated into existing systems. This makes it an effective and flexible tool for UAV detection, tracking, and countermeasures.



DIRECTION FINDING
With accuracy within 5°



PASSIVE DETECTION
Enables operators to remain undetected



DETECT DRONES & CONTROLLERS
For comprehensive awareness of the threat



EXTENSIVE DRONE LIBRARY
Enables accurate classification and low false positives



SOFTWARE FIELD UPGRADES
Enables product evolution without costly hardware upgrades

Specifications

Watchdog 202	
Detection Time	< 10s *
Detection Range	Up to 10 km / 6.2 miles *
Detection Frequency Bands	2.4, 5.2, 5.8 GHz
Detection Coverage Angle	Horizontal 90° / Vertical 90°
Additional Frequency Bands with External Antenna	433MHz, 868MHz, 915MHz, 1.2 GHz
Detection Coverage Angle with External Anenna	Omnidirectional 360°
Operating Temperature	-30°C to 60°C / -22°F to 140°F
Direction Finding Accuracy	5° RMS accuracy (On 2.4, 5.2, 5.8 GHz)
UAS Geolocation	Multiple units enable location triangulation + Remote-ID Location
IP Rating	IP67
Colour	Black
Dimensions	17,5 x 10 x 4,2 cm / 6.9 x 4 x 1.65 in
Weight	742 g / 1.64 lbs
Power Supply	Power Over Ethernet (POE)
Power Comsumption	< 15W

* Depending on the RF environment & line of sight