

WATCHDOG

FIXED DRONE
DETECTION AND LOCATION



WATCHDOG

WATCHDOG 202 is specifically suited for **fixed installations** such as perimeter protection of prisons, military camps or critical infrastructure.

Use two or more watchdogs for accurate drone location any time of day or night.

WATCHDOG 202 (WD202) is a networked RF sensor capable of providing information on, protocol and vendor. In addition, the sensor can also determine a bearing of the detected signal. The bearing information can be used, when combining multiple sensors, to determine the dronelocation of the drone or pilot. WD202 is specifically suited for fixed installations such as perimeter protection of prisons, military camps, critical infrastructure etc. The WD offers simply integration with existing C2 systems.

Capability

The WATCHDOG 202 drone detection system is light-weight and portable. It's lightweight design makes installations on, buildings or tripods easy and straight forward. WD202 is powered by PoE and can be fitted with generic brackets, it is very easy to install. The WATCHDOG is simple to configure and setup. WATCHDOG was designed with operational focus.



| PARAMETER | SPECIFICATION |
|-------------------------------|--|
| Weight | 742 gram |
| Dimensions (DxWxH) | 175 x 100 x 42 mm |
| Color | Black |
| Operating temperature | -30° to +60°C |
| Frequency bands | 2.4GHz, 5.2GHz, 5.8GHz* |
| Power supply | Power Over Ethernet (PoE) (10W power budget) |
| Detection time | <5 sec for known targets |
| Detection range | Up to 4 km** |
| Coverage angle | 90° |
| Accuracy of direction finding | 5° RMS within ±45° from center |
| IP rating | IP67 |

* For extended frequency coverage, request information on external antenna.

** Depending on RF Environment

The WD is literally a plug and play design and you will be operational within minutes. The 90° coverage and intelligent signal analysis helps to detect the threat direction, type and model of drone. All of the information can be displayed on our user-friendly interface IRIS or delivered through our ARGOS API to your C2 system.

Features developed with the user

WATCHDOG is designed with simplicity in mind. It's Size, Weight and Power provide a competitive edge. The system is upgraded through IRIS. New features, GUI updates and processing updates are performed on a regular basis and are driven by customer feedback. The WATCHDOG is easy to interface with existing security infrastructure, either through our plug-and-play user interface or on a protocol level and requires only 1 cable for connection to a PoE switch.

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