

MYDEFENCE MOBILE C-UAS

Passive radio frequency-based detection of drones and controllers for **On-The-Move-Missions.**

PRODUCT PORTFOLIO



Wearable



Vehicle/
Vessel



Fixed/
Transportable



Detection



Mitigation

Battle-Proven

drone detection actively deployed by soldiers at front lines, e.g. Ukraine.

Easy to Use

enables soldiers in intense combat to focus on primary tasks.

Low SWaP

enables flexible installation & integration onto multiple platforms.



Command & Control (C2)

Compatible with MyDefence IRIS/ARGOS C2 Software and other C2 systems.



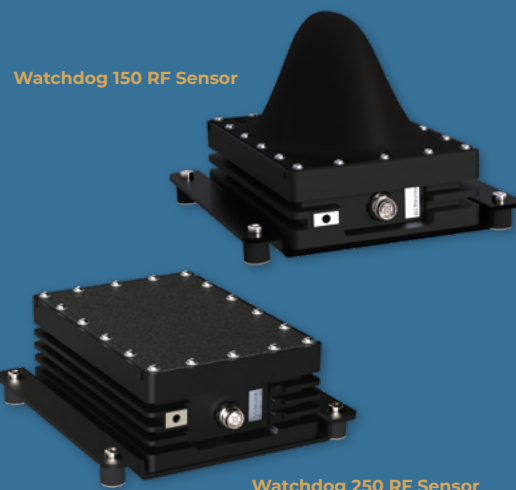
MyDefence
Product Catalog



MYDEFENCE
COUNTER DRONE **TECHNOLOGY**

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Watchdog 150 RF Sensor

Watchdog 250 RF Sensor

MYDEFENCE WATCHDOG 150 RF SENSOR (360°) WATCHDOG 250 RF SENSORS (90°)



The Watchdog 150 and Watchdog 250 are compact, rugged RF-based devices designed to detect drones and their controllers. Ideal for mobile missions, they can be mounted on land vehicles, sea vessels, masts, or walls. Their low SWaP (Size, Weight, and Power) allows for flexible installation and integration.

The Watchdog 150 enables comprehensive coverage with omnidirectional detection at lower frequencies. The side-mounted Watchdog 250 offers precise 90-degree detection at higher frequencies. They can be installed independently, however multi-modular configuration maximizes performance and extends the range of operating frequencies, ensuring optimal detection and coverage.

Command and Control (C2) is mission-essential. Integrate with your existing C2 software or MyDefence IRIS and ARGOS C2 Software. Installation and integration are possible on a wide range of platforms, and MyDefence offers expert advice for your specific installation needs.



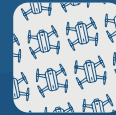
Direction Finding
with accuracy within 5° RMS



Passive Detection
enables operators to remain undetected



Detect Drones and 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

Differentiating Specifications	MyDefence Watchdog 250 RF Sensor PN 90100018	MyDefence Watchdog 150 RF Sensor PN 90100019
Operational Specs.		
Detection Range	Up to 9 km / 5.59 miles *	Up to 3 km / 1.86 miles *
Detection Time	<10 s *	<10 s *
Effective Frequencies	2.4, 5.2 & 5.8 GHz	433MHz, 868MHz, 915MHz, 1.2GHz
Coverage Angle	Horizontal 90° / Vertical 90°	Omnidirectional
Direction Finding Accuracy	5° RMS accuracy	N/A
Functional Specs.		
Operational Modes	Detection and Direction Finding	Detection
UAS Geolocation	Multiple units enable loc. triangulation	N/A
Physical Specs.		
Weight	1.9 kg/ 67.0Z	1.9 kg/ 67.0Z
Dimensions	180 x 180 x 75 mm / 7.09 x 7.09 x 2.95 in.	180 x 180 x 158 mm / 7.09 x 7.09 x 6.22 in.
Color	Black	Black
Installation and Environment		
Operating Temperature	-40 to 60°C / -40 F to 140°F	
Ingress Protection	IP68	
Electromagnetic Compatibility (EMC)	MIL-STD-461F, External Grounding Connection	
Environmental Testing	MIL-STD-810G	
Ruggedized	Designed to withstand vibration and shocks, dust, salt, solar radiation	
Fixed-Site Mounting	Permanent on walls, mast installations, Moveable masts, tripods	
Mobile Mounting on Vehicles and Vessels	Top-Mount or Side-Mount	Top-Mount

* Depending on the RF environment & line of sight.

Common Specifications	MyDefence Watchdog 250 RF Sensor MyDefence Watchdog 150 RF Sensor
Technical Specifications	
Communication Interfaces	Ethernet
Power Supply & Consumption	Power over Ethernet (PoE), < 15 W
Drone Classification Method	Proprietary Drone Library
API for C2 Integration	ARGOS Server software to IRIS UI and other C2 Systems