



# WATCHDOG

**Omnidirectional RF drone detector for networked installations.**

WATCHDOG 150 (WD150) is a ruggedized networked RF sensor capable of detecting control- and video signals from UAVs (drones) and controllers for a broad range of commercial and do-it-yourself (DIY) drones operating in the lower frequency bands. It provides alarms and information on drone model, protocol, and vendor when applicable.

Watchdog 150 uses an omni-directional antenna and is typically mounted on top of a vehicle as a supplement to a set of WD250 sensors covering the higher frequency bands.

Parameter	Specification	Condition
Coverage angle - Azimuth	360°	Line of sight
Coverage angle - Elevation	90°	3dB beamwidth
Frequency ranges	433 MHz, 868 MHz 915 MHz, 1.2 GHz	
Operating temperature	-40°C to +60°C	Natural convection
Surface	Black CARC-type paint	
Connection	Gigabit ethernet	Custom connector
Mil Specification	MIL-STD-810G	Qualification in progress
EMC Specification	MIL-STD-461F	Qualification in progress
Size	180mm x 180mm x 158 mm	Including vibration mount
Weight	1900g	Including vibration mount
Power Supply	Power Over Ethernet (PoE) < 15W	
IP rating	IP68	2 meters, 6 hours

WD150 is functionally similar to any Watchdog sensor, but it is ruggedized for use on military and civilian vehicles and operates only on sub 2GHz bands. The Watchdog WD150 is designed to withstand vibration and shock of military vehicles along with a range of harsh environmental conditions including dust, salt, and solar radiation.

Watchdog 150 employs enhanced electromagnetically shielding to avoid radio frequency emission and is designed for compliance with MIL-STD-461. WD150 has external grounding connection point for enhanced safety.

WD150 is powered by Power over Ethernet (PoE) and is fitted with the vibration dampening mount, which also makes it easy to install. It can be operated from MyDefence Iris or integrated into existing C2 systems through MyDefence Argos.

WD150 is functionally similar to our original Watchdog, but ruggedized for use on military and civilian vehicles. The WD150 is designed to withstand vibration and shock of military vehicles along with a range of harsh environmental conditions including dust, salt and solar radiation.

With our constant focus on reducing SWaP (Size, Weight and Power consumption), the WD150 is developed to be small, light, and power-efficient at a cost-effective price.



## Contact MyDefence

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