

WINGMAN

# WEARABLE DRONE DETECTION



MYDEFENCE



## WINGMAN

A **wearable drone detector** allowing the operator to maintain mission focus and not worrying about the surrounding airspace. Designed to be **independent** and **withstand extreme weather**.

The Wingman 103 (WM103) is a battery powered drone detector that autonomously and continuously scans and searches for drone control and video signals and acts as an early-warning detector of commercial drones – often before the drone takes off.

The WM103 can be carried on the torso or on the outside of clothes to optimize performance (e.g. vest or backpack straps) using e.g. MOLLE straps which make it a simple addition to existing uniform.

Engineered with reduced SWaP (size, weight, and power consumption) in mind, the WM103 is an ideal wearable drone protection device, with its ruggedized design.



PARAMETER	SPECIFICATION
Weight with battery	1110 g
Dimensions (DxWxH)	154 x 96 x 42 mm
Detection range	Up to 6 km**
Detection time	< 10 s
Frequency bands	2.4 GHz, 5.2 GHz, 5.8 GHz*
Coverage angle (Horizontal)	60°
Coverage angle (Vertical)	60°
Accuracy of direction finding	No DF
IP rating	IP67
Power supply	External battery
Power consumption	14 Hours
Operating temperature	-30° to +65°C
Color	Black/Desert

\*Add an external active antenna for additional frequencies: 433MHz, 868MHz, 915MHz, 1.2GHz.

\*\*Depending on RF Environment

WM103 has up to 14 hours operational battery life using standard external clip-on batteries (AN/PRC-148).

The device is waterproof with its cover-caps mounted, that protect the unused connectors. It also has the capability to withstand extreme temperatures.

The internal antennas cover the 2.4GHz, 5.2GHz, and 5.8GHz ISM bands and are directional. An external antenna can be added to provide 360° coverage and increase the frequency coverage with additional frequency bands (433MHz, 866MHz, 915 MHz, and 1.2Ghz).

Other accessories are:

- Mono headset
- Vibrator dongle
- Pelicase
- Squadsize pelicase
- Firmware update tool

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