

Wingman Edge

**POWERED BY MYDEFENCE
SPECTRUM INTELLIGENCE**

Wingman Edge is the next generation of MyDefence wearable RF detection, bringing wideband spectrum awareness and AI-enabled classification directly to the dismounted operator at the tactical edge.



SEE FIRST
Gain Early Awareness



MOVE FREELY
Lightweight & Low Profile



STAY CONNECTED
Integrate With ATAK



OPERATE ANYWHERE
Rugged & Field-Proven

Key Capabilities



AI-POWERED CLASSIFICATION

Combines signature-based detection with AI-enabled classification to identify RF activity beyond known signatures.



PASSIVE WIDEBAND AWARENESS

Continuously monitors the spectrum for RF activity while enabling operators to remain undetected.



ANALOG VIDEO DETECTION

Detects analog video transmissions for increased awareness of video-enabled RF activity.



CONNECTED INTELLIGENCE

Share detections and spectrum data through ATAK, turning sensors into a connected operational picture.



Mission Applications



DISMOUNTED OPERATIONS



LAW ENFORCEMENT & SECURITY



BORDER & PERIMETER OPERATIONS



CRITICAL INFRASTRUCTURE

Scan to see
all products



AI-powered RF Spectrum Intelligence

Building on MyDefence's proven signature-based detection, Wingman Edge combines continuous wideband RF scanning, analog video detection and on-device AI-enabled classification. Known threats are recognized through the established signature library, while AI extends detection and classification to emerging drone-related RF activity beyond the library, providing broader awareness as threats and signals evolve.

Designed for operational use, Wingman Edge provides passive, long-range RF detection without adding unnecessary complexity to the operator's mission. Nett Warrior connectivity and ATAK integration enable detections and spectrum data to be shared across the tactical network, extending awareness from the individual operator to the wider team.



Operational Advantages



UP TO 6 KM / 3.73 MI*

Long range drone detection at soldier level.



17% LIGHTER*

Lower SWaP reduces carried weight while supporting greater mobility and agility in the field.



NETT WARRIOR

Seamless data sharing across the soldier's tactical ecosystem.



MISSION-READY DESIGN

Rugged IP67 construction supports reliable operation in demanding environments.

Specifications

Wingman Edge	
Detection Time / Detection Range	< 10s ** / Up to 6 km - 3.73 miles **
Detection Frequency Bands with Wideband XF Antenna	200 MHz to 6 GHz
Detection Coverage Angle with Wideband XF Antenna	Omnidirectional 360°
Drone ID / Remote ID Range	Up to 25 km / 15.5 miles **
Detection Notification	Sound, light, haptic, display
Operating Temperature	- 35° C to 65° C / - 31° F to 149° F
Dimensions Including Battery	246 × 92 × 46 mm / 9.69 × 3.62 × 1.81 in
IP Rating	IP67
Color	Ranger Green / Desert
Weight	975 g (2.15 lbs.) with battery / 595 g (1.31 lbs.) without battery
Interfaces	Nett Warrior USB-interface ATAK 2 external antennas
HMI	Mode Selection by Pull-Turn Knob Transflective Display with normal and night vision backlight mode
Power Supply	External battery AN/PRC-148/152
Battery Life	14 Hours
Battery Life with Wideband XF Antenna	10 Hours
Battery Charging Time	1-2 Hours
Battery Charging Temperature	See specs. from manufacturer
Related Products	MyDefence Pitbull Jammer

* Compared to Wingman 103

** Depending on the RF environment & line of sight