

WideBand XF

Full-Spectrum Drone Detection. From 200 MHz to 6 GHz.

Redefining the Battlespace

XF stands for Extended Frequency. It delivers spectrum-wide coverage from 200 MHz to 6 GHz – far beyond traditional detection limits. Adversaries exploit every corner of the spectrum, from FPV links to advanced high-band systems. WideBand XF restores control with uninterrupted awareness in a soldier-portable solution.



SOLDIER LEVEL
AWARENESS



CROSS DEVICE
COMMUNICATION



CONTINUOUSLY
UPDATED



MYDEFENCE
DRONE LIBRARY



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all products

Distinctive advantages

- ➔ **FULL-SPECTRUM AWARENESS**
Detects threats across all bands from 200 MHz – 6 GHz – no gaps, no blind spots.
- ➔ **MISSION-CENTRIC INTEGRATION**
Directly connects with Wingman and ATAK for instant overlays and alerts.
- ➔ **SILENT GUARDIAN**
Operates fully passive, keeping operators invisible to the enemy.
- ➔ **ADAPTIVE DEFENCE ENGINE**
Profiles threats and triggers automated responses against evolving tactics.



Wideband XF

WideBand XF

– Extended Frequency Spectrum Awareness

Comprehensive Coverage

WideBand XF, designed for seamless integration with Wingman and ATAK, delivers uninterrupted awareness from 200 MHz to 6 GHz. By closing critical spectrum gaps, it uncovers FPV drones, commercial UAVs, and custom-built platforms exploiting both low and high frequencies.

ATAK-Powered Visualisation

Detection becomes actionable through direct integration with ATAK (Android Tactical Awareness Kit). Signals across the spectrum are instantly visualised and flagged, giving operators a clear operational picture and enabling faster, data-driven decisions in contested environments.

Why WideBand XF?

As adversaries shift to unpredictable frequency bands, WideBand XF restores control of the spectrum. It equips forces with decisive intelligence and the ability to counter evolving drone tactics with confidence and speed.



UNINTERRUPTED COVERAGE

Detects FPV drones, commercial UAVs, and custom platforms across all relevant frequency bands.



FUTURE-PROOF UPDATES

Software-driven enhancements keep the system ready for new threats without hardware changeouts.



READY FOR DEPLOYMENT

Lightweight, rugged, and field-ready – trusted performance in contested environments.

Specifications

Wideband XF	
Frequency Range	200 MHz – 6 GHz
Polarization	Linear Vertical
Azimuth Coverage	360°
Drone ID	Bluetooth 4, Bluetooth 5 LR, Wi-Fi beacons, Wi-Fi NAN
Compatibility	Wingman WM100, WM103, WM104, WM105
Supply	Powered from Wingman
Size	220 x 55 x 44 mm
Cable Length	1 m
IP Rating	IP67
Temperature Range	-32°C to +65°C
Additional Components	Compass, GNSS-receiver, and Inertia Measurement Unit