



# WaveShield

C-UAS RF Inhibitor



Winner of NATO C-UAS Performance Challenge at BATT25 and TIE 2025!



20 MHz - 6 GHz, 650 Watt, Fully Automatic Reactive Jammer



11-Channel Antenna

## Features and Benefits

### NEUTRALIZATION CHARACTERISTIC

Jamming modes:  
Reactive, Semi-reactive, Active Wingspan

Fully programmable frequency range:  
20 MHz-6 GHz

Simultaneous bandwidth:  
1800 MHz (freely definable)

RF power: 650 W

### RF PERFORMANCE

Detection sensitivity:  
-110 dBm

Response time: from 18  $\mu$ s

Rx/Tx isolation level: 50 dB

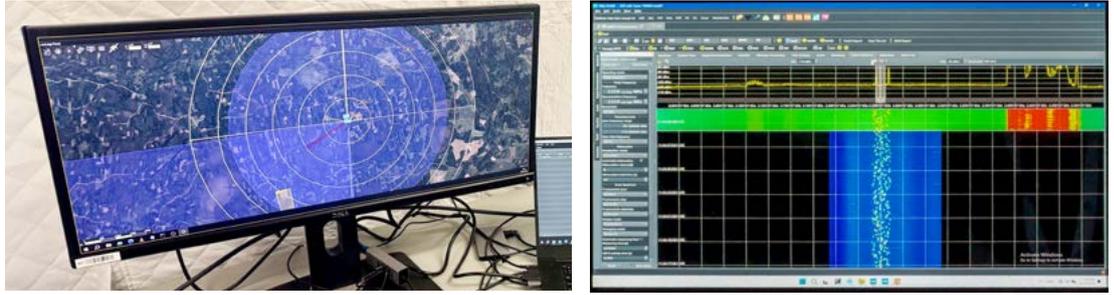
The WaveShield Jamming System is a state-of-the-art counter-UAS RF jammer engineered to neutralize the growing threat of Unmanned Aerial Systems (UAS), including drones, in both battlefield and security scenarios. As a class-leading jamming solution, WaveShield is widely deployed across NATO forces, serving as the backbone of many RF jamming systems actively utilized throughout Europe and in high-stakes conflict zones. Its advanced design integrates seamlessly with military C-UAS platforms, employing sophisticated signal-hopping technology to effectively disrupt enemy drone communications and control links, while ensuring minimal interference with allied systems. This ensures it can operate in highly dynamic and contested RF environments, making it an indispensable tool in modern electronic warfare.

The WaveShield's superior performance has been validated through extensive testing and proven in real-world operations, where it consistently outperforms other systems in its class. Its adaptive algorithms and broad-spectrum jamming capabilities allow for precision targeting of hostile UAS, ensuring mission success while minimizing collateral effects on the electromagnetic spectrum. Trusted by NATO forces for its reliability and effectiveness, the WaveShield Jamming System is a cornerstone of airspace security, delivering critical support in both defensive and offensive operations to maintain air superiority and protect vital assets.

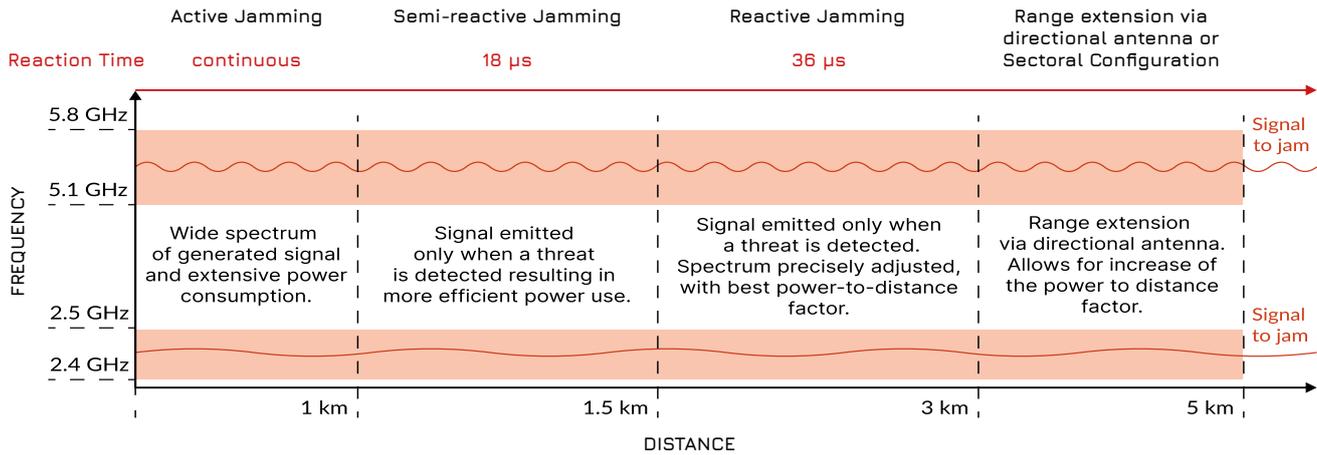
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## DETECTION RANGES



## JAMMING PERFORMANCE



## PARAMETERS

Dimensions:  
640 x 540 x 400 mm

Weight without battery:  
60 kg

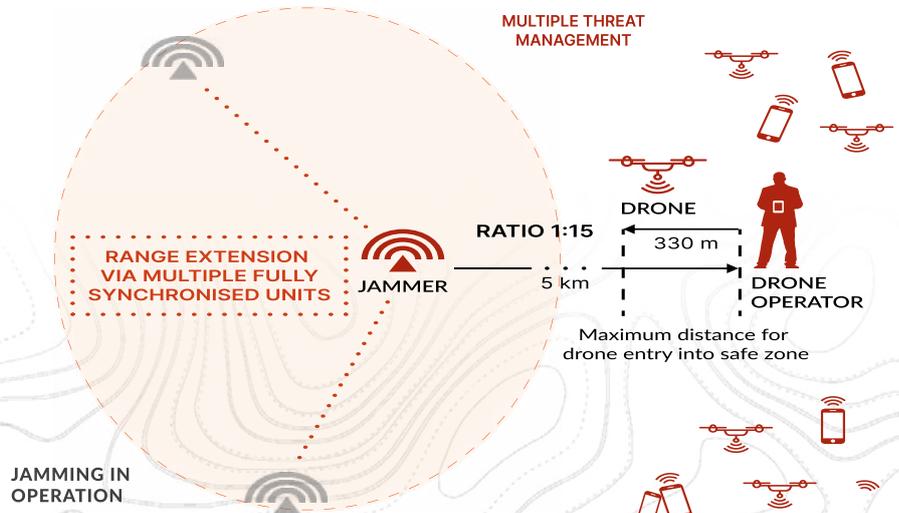
Antenna mast weight:  
15 kg

Operating temperature:  
-30 °C to +50 °C

Antennas:  
11 Directional

Supply voltage:  
22-29 VDC or 110/230 VAC

Version of housing:  
IP65 or 19" rack



- Full Reactive / Semi Reactive / Active Jamming Modes
- Mixed Jamming Modes
- Range up to 5 km
- Friendly Communications During Jamming
- Rest API for Smooth System Integration
- Frequency Ranges: 20 MHz - 6 GHz. Fully Reactive (Configurable as per Client Spec)
- Fully Programmable And Selectable Frequency Range
- Extendable Modular Design
- Jamming Output Power: 650 W
- Warranty for up to 5 years (2 years as standard)
- Auto-Configuration Jamming of Profiles
- C2 System Available
- 24/7 Support
- SAPIENT Compliant

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