

NAVIGATION DECEPTION DEVICE

Drone spoofing misleads drones by sending false GPS or satellite signals, causing them to deviate from their flight path or return to a safe location. It is used for security and defense to prevent unauthorized drone access.



DISTINCTIVE ADVANTAGES

→ Operating Range

$\geq 800\text{m}$

→ Operating Time

$< 10\text{s}$

→ Rapid Deployment

Deployment Time: $\leq 1.0\text{ min}$,
Retrieval Time: $\leq 0.8\text{ min}$.

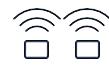
→ Spoofing Mode

No-Fly Zone Mode
Directional Repulsion Mode



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The system is designed to deceive multiple drones by transmitting controlled spoofing signals across 1273–1605 MHz. It achieves an effective range of over 800 meters in open environments, with a response time under 10 seconds. Supporting at least 10 drones of different brands and models, it offers two modes: no-fly zone enforcement and directional expulsion. With 360° horizontal and -90° to +90° vertical coverage, the device features low power consumption (≤ 18.5 W), continuous 24-hour operation, and fast deployment (≤ 1 min). Built to IP66 standards, it operates reliably from -40°C to +70°C.



ANGLE DECEPTION SPOOFING

Horizontal Coverage: 0° to 360°
Vertical Coverage: -90° to +90°



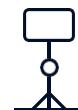
GPS JAMMING

Effective on GPS-dependent UAS



Transmit Power

≤ 10.00 dBm



QUICK DEPLOYABLE

Deployment Time: ≤ 1.0 min,
Retrieval Time: ≤ 0.8 min.



SPOOFING PERFORMANCE

Capable of detecting/handling ≥ 10 drones simultaneously, including at least 5 different brands and models.

Specifications

WRJG-DH-2

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|---|--|
| Transmit Frequency | Channel 1: 1273.6–1550.6 MHz Channel 2: 1559.3–1562.6 MHz Channel 3: 1600.9–1604.7 MHz |
| Jamming Range | ≥ 800 meters |
| Response Time | ≤ 10 seconds |
| Maximum Environmental Power Density | < 0.04 W/ m ² |
| Angle Deception Spoofing | Horizontal Coverage: 0° to 360° Vertical Coverage: -90° to +90° |
| Power Consumption | ≤ 18.5 W |
| Maximum Simultaneous Drone Jamming Capacity | ≥ 10 |
| Transmit Power | ≤ 10 dBm |
| Continuous Operating Time | 24 Hours |
| Start-Up Time | ≤ 2.3 mins |
| Operating Temperature | -40° C to 70° C / 40° F to 158° F |
| IP Rating | IP66 |
| Weight | ≤ 14 kg |
| Size | 580*360*235mm |

* Depending on the RF environment & line of sight

* Please email us for more information