FIXED AND MOBILE
COUNTER-UAV DEVICE

A versatile counter-UAV system combining detection and neutralization, deployable in both fixed and mobile modes for all-weather protection.

EXTREME TEMPERATURES

WATERPROOF IP66

DETECTING

JAMMING

DISTINCTIVE ADVANTAGES

→ **Automatic North-seeking**

Identifies the bearing angle relative to north.

→ **Integrated Detection and Jamming**

Passive Detection
with Integrated Detection-and-Jamming Design.

→ **Trajectory Display**

Detected UAV flight trajectories shall be displayed on the control platform.

→ **Passive Detection**

The system shall not transmit radio signals while in detection mode.

FIXED AND MOBILE COUNTER-UAV DEVICE

This counter-UAV system delivers long-range detection (up to 7 km) and broadband jamming (≥2 km) with high precision (≤1.0°). Powered by 8 antennas and NVIDIA Xavier, it tracks 60+ drones and identifies various models and controllers. Within 3 seconds, it can force drones to return or land, identifying 35 simultaneous targets. Built for 24/7 unattended operation, it features GPS/Beidou positioning, IP66 protection, cloud/mobile management, and customizable control zones, making it an intelligent and reliable solution for critical drone defense.

DIRECTION FINDING
Display detected UAV flight trajectories

PASSIVE DETECTION
Enables operators to remain undetected

DETECT DRONES
For comprehensive awareness of the threat

EXTENSIVE DRONE LIBRARY
Enables accurate classification and low false positives

Simultaneous Detection
60 UAVs (simultaneously)

Specifications

WRJG-CT-2	
Detection Frequency Range	30MHz～6GHz
Detection Range	Up to 7 km / 4.34 miles
Frequency Measurement Accuracy	The system can display the detected drone operating frequency on the control platform with an accuracy of up to 1 kHz.
Intelligent Detection	Supports detection of drones operating on 433 MHz, 800 MHz, 900 MHz, 1.2 GHz, 1.4 GHz, 2.4 GHz, and 5.8 GHz.
Simultaneous Detection	Supports simultaneous detection of ≥60 drones, with identification of ≥35 drone types and ≥12 types of remote controllers concurrently.
Transmission Frequency	Channel 1: (885 ± 5) MHz – (945 ± 5) MHz Channel 2: (1555 ± 5) MHz – (1620 ± 5) MHz Channel 3: (2395 ± 5) MHz – (2515 ± 5) MHz Channel 4: (5225 ± 5) MHz – (5455 ± 5) MHz Channel 5: (5825 ± 5) MHz – (5855 ± 5) MHz
Jamming Range	≥2 km in wideband mode under clear conditions.
J/S Ratio	≥40
Jamming Response Time	≤3s
Simultaneous Jamming	≥35
Geolocation Function of the Anti-Drone Gun	The management platform can display the location of the portable jamming gun.
Remote Control	Supports remote management via cloud server and mobile device interfaces such as smartphones and tablets.
Automatic Guard Mode	Supports 24/7 unattended operation with alarm recording (UAV model, angle, distance, time), data stored ≥90 days.
Operating Temperature	-20°C to 50°C / -4 °F to 122 °F

* Depending on the RF environment & line of sight

* Please email us for more information