UAV REMOTE ID
IDENTIFICATION DEVICE

A UAV Identification Device is a radio monitoring and decoding tool designed to capture and analyze UAV messages, providing identification and flight data for effective counter-drone surveillance and security.

EXTREME TEMPERATURES

LIGHTWEIGHT

CONTINUOUSLY UPDATED

DETECTING

DISTINCTIVE ADVANTAGES

→ **Successful Detection**

Detection Success Rate ≥99%.

→ **Extended Detection Range**

Maximum detection range: ≥5 km

→ **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.

UAV REMOTE ID IDENTIFICATION DEVICE

Covers 2400 MHz–6 GHz with detection range up to 5 km. Fully passive, no signal emission. Identifies drones by brand, model, frequency, ID, and SN, and displays altitude, distance, and flight path. Provides 360° horizontal and ±90° vertical coverage, with ≥99% detection and identification accuracy. Capable of tracking 90+ drones simultaneously.

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
90 UAVs (simultaneously)

Specifications

	WRJG-BW-1
Detection Frequency Range	2400MHz～6GHz
Detection Range	Up to 5 km / 3.1 miles
Passive Detection	In detection mode, the system does not actively emit wireless signals.
Detection Coverage Angle	Horizontal 360° / Vertical ≥±90°
Information Identification	The system can identify and display, within its positioning results, the brand, model, operating frequency, serial number, altitude, and distance of known drones stored in its identification database.
Detection and Identification Success Rate	≥99%
Operating Temperature	-20℃ to 50℃ / -4 °F to 122 °F
Trajectory Display	Support
UAS Geolocation	Ranging error ≤20 m when detecting a target UAV at 8 km under clear line-of-sight and low-interference conditions.
Simultaneous Detection	90 UAVs

* Depending on the RF environment & line of sight
* Please email us for more information