SENKEN-TECH

ROOF MOUNTED
COUNTER-UAS SYSTEM

The roof-mounted integrated detection and countermeasure system offers mobile, long-range protection against drones by combining fast detection with effective countermeasures. It ensures reliable security for events, borders, and critical areas.

REMOTE CONTROL

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.

→ **Positioning Function**
Built-in positioning module,
supporting GPS/Beidou positioning.

→ **Passive Detection**
The system shall not transmit radio signals while in detection mode.

ROOF MOUNTEDE COUNTER-UAS SYSTEM

This system provides integrated drone detection and countermeasure capabilities with a 30 MHz–6 GHz coverage and detection range beyond 5 km. It can simultaneously track and identify up to 60 drones, displaying detailed flight and identification data. Featuring multi-band jamming with over 2 km range, IP66 protection, and remote cloud/mobile management, it delivers reliable and scalable defense for critical scenarios.

PASSIVE DETECTION
Enables operators to remain undetected

DETECTION ACCURACY
The system provides a detection accuracy of ≤ 1.0°

Simultaneous Detection
60 UAVs (simultaneously)

Simultaneous Jamming
35 UAVs (simultaneously)

Specifications

WRJZ-DW-4	
Detection Frequency Range	30MHz～6GHz
Detection Range	Up to 5 km / 3.11 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:（418±5）MHz～（452±5）MHz Channel 2:（891±5）MHz～（936±5）MHz Channel 3:（1167±5）MHz～（1276±5）MHz Channel 4:（1538±5）MHz～（1622±5）MHz Channel 5:（2395±5）MHz～（2510±5）MHz Channel 6:（5150±5）MHz～（5400±5）MHz Channel 7:（5698±5）MHz～（5875±5）MHz
Waterproof	IP 66
Jamming Range	≥2 km
Simultaneous Jamming	≥35
Remote Control	Supports remote management via cloud server and mobile device interfaces such as smartphones and tablets.
Display	The platform shows drone positions on a interface and supports command center display integration.

* Depending on the RF environment & line of sight

* Please email us for more information