

SWORD-24

Portable
Non-linear Junction Detector



COUNTERMEASURES



FEATURES

The **SWORD-24** is a miniaturized portable non-linear junction detector that can detect any electronic device hidden in walls, floors, ceilings, lamps, furniture or containers. No matter whether these electronic devices are transmitting signals or starting up, they can alarm through display, vibration and sound prompt, so that the detector can find the target device, to protect the privacy of organizations and individuals.

The transmitting end of the non-linear junction detector sends the fundamental wave of the S-band to the target area or object, while the receiving end captures the second and third harmonics generated from the target object, and uses artificial intelligence algorithms to analyze the harmonic laws to detect and identify whether there are suspicious electronic products or metal corrosion nodes in the detecting area.

HIGH ACCURACY The built-in second and third harmonic detection function can quickly and effectively identify devices containing semiconductor.

HIGH SENSITIVITY Can quickly spotting the semiconductor hidden in walls or furniture.

LOW FALSE POSITIVE RATE The built-in non-destructive detection algorithm greatly improves the detection ability, and the false positive rate is very low.

SAFE AND RELIABLE The characteristics of the equipment meet the requirements of electromagnetic radiation and are safe to use.

FLEXIBLE AND SIMPLE OPERATION The interface is simple and intuitive, with few buttons and concise, easy to operate manually.

ENERGY SAVING Folded and immovable for a long time will automatically shut down, saving energy.

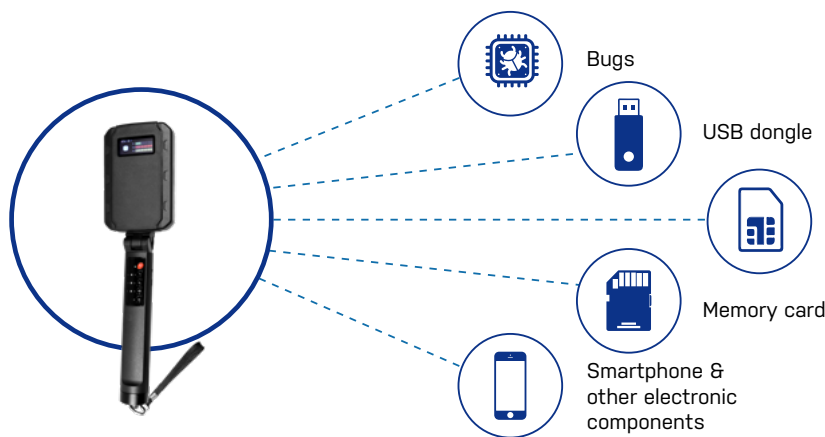
SCENARIOS

- ▶ **SWORD-24** Can be widely used in government, public security, prison, judicial, military, education examination and personal privacy protection, etc.
- ▶ **BUSINESS SECURITY** Enterprise and commercial secret protection: Detect unauthorized electronic devices hidden in important conference rooms or confidential offices of the company, such as eavesdroppers, mobile phones and devices containing SIM cards, etc..
- ▶ **PUBLIC SECURITY AND SWAT EXPLOSIVE DISPOSAL** Detect electronic detonation devices and remote controls in dangerous areas.
- ▶ **PERSONAL PRIVACY PROTECTION** Detect equipment for secretly photographing and recording hidden in houses, hotels and other places, such as recording pens, cameras, etc..

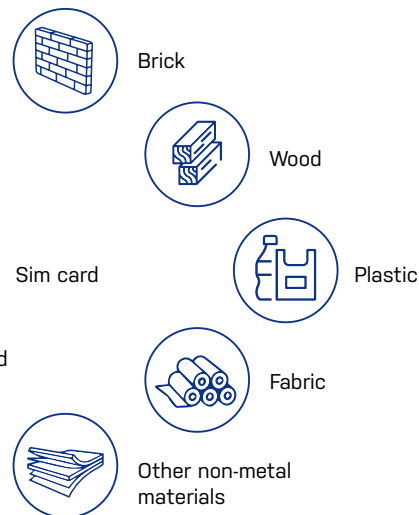




ABLE TO DETECT



SEARCHES THROUGH



DELIVERY SET

- ✓ SWORD-24 - 2.4Ghz Non Linear Detector
- ✓ Enclosed Stereo Headphones with Volume Control
- ✓ Harmonic Test Samples
- ✓ Hard Carry Case
- ✓ Instruction Manual
- ✓ Weight of Unit $\leq 0.52\text{kg} \pm 0.05\text{kg}$



GENERAL SPECIFICATIONS

Product working frequency band:	2.400GHz
Frequency range:	2.404GHz - 2.472GHz
Receiving 2nd~3rd harmonic range:	4.808GHz-4.944GHz 7.212GHz-7.416GHz
Pulse mode transmit power (max):	0-1W
Receive sensitivity:	$\leq 125\text{dBm}$
Receive dynamic adjustable range:	30dBm
Battery working time:	4.5H
Battery type:	Lithium battery
Interactive interface:	LED displays received harmonic signal intensity Audio prompts are supported and headphones can be connected Supporting vibration tips
Detection distance:	>6MC-class product complying with GA1236-2015 standard
Detect penetrability:	It can penetrate 370mm brick wall and meet the grade C product specified in GA1236-2015 standard
Product dimension:	370mm x 96mm x 38.5mm)±5mm
Transit case dimension:	(335mm x 280mm x 132mm)±10mm
Product weight:	$\leq 0.52\text{kg} \pm 0.05\text{kg}$
Transit case weight:	2.6kg
Working temperature:	-20°C~55 °C
Working humidity :	Less than 93%, no condensate