

COUNTER SURVEILLANCE

# Professional Non-Linear Junction Detector for TSCM and Counter-Surveillance

Professional-grade Non-Linear Junction Detector (NLJD) for locating semiconductor-based devices — active or inactive — hidden inside walls, furniture, and personal belongings. Essential for technical surveillance countermeasures (TSCM) sweeps of VIP offices and secure facilities.



[Non-Linear Junction Detector](#)

[New](#)

[Official Brochure](#)

## SOLUTION SNAPSHOT

<p>TRANSMIT FREQUENCY</p> <p><b>2.4 GHz (ISM band)</b></p>	<p>DETECTION HARMONICS</p> <p><b>2nd &amp; 3rd harmonic simultaneous</b></p>	<p>EFFECTIVE RANGE</p> <p><b>Up to 1 m through solid walls</b></p>
<p>ANTENNA</p> <p><b>Directional flat panel, 30° beam</b></p>	<p>DISPLAY</p> <p><b>OLED dual-channel bar graph</b></p>	

## Built for Real Operations

01

Transmits a microwave signal and detects the harmonic response unique to semiconductor junctions, revealing hidden electronics regardless of whether they are powered on. The directional antenna and real-time 2nd/3rd harmonic display allow trained operators to discriminate between genuine threats and benign electronic components, minimising false positives during room sweeps.

## APPLICATIONS

## Where This Product Fits

03

### VIP & Executive Office Sweeps

Detects covert listening devices, cameras, and GPS trackers embedded in furniture, walls, and decorative items before sensitive meetings.

### Border & Customs Contraband Detection

Locates smuggled electronics concealed inside non-electronic goods and personal effects without physical disassembly.

### Military & Intelligence Facility Security

Performs routine TSCM sweeps of classified spaces to ensure no passive or dormant surveillance devices have been planted.

## SPECIFICATION

## Technical Details

05

<b>Transmit Frequency</b>	2.4 GHz (ISM band)
<b>Detection Harmonics</b>	2nd & 3rd harmonic simultaneous
<b>Effective Range</b>	Up to 1 m through solid walls
<b>Antenna</b>	Directional flat panel, 30° beam
<b>Display</b>	OLED dual-channel bar graph
<b>Transmit Power</b>	2 W adjustable
<b>Battery Life</b>	8 hours continuous
<b>Weight</b>	1.4 kg (head + controller)
<b>Operating Temp</b>	0 °C to +50 °C
<b>Warranty</b>	2 years hardware

"We located a dormant listening device inside a conference room table that had been missed by three previous RF sweeps. The NLJD found it because the bug was switched off."

**Lead TSCM Investigator**

Government Counter-Intelligence Unit

## RESOURCES

## Media &amp; Questions

**Q. Can it find devices that are switched off?**

A. Yes. This is the primary advantage of NLJD technology. The semiconductor junction responds to the transmitted microwave signal regardless of whether the target device has a power source.

**Q. Will household electronics cause false alarms?**

A. The simultaneous 2nd/3rd harmonic display helps operators distinguish manufactured semiconductor junctions (real threats) from corrosion-induced junctions (false positives). Training and experience are key.

**Q. Is operator training available?**

A. Yes. We offer a certified 3-day TSCM operator course covering theory, sweep methodology, and practical exercises in a simulated environment.

## Ready to deploy Non-Linear Junction Detector?

Talk to Nirikhon for product consultation, installation planning, integration support, and enterprise deployment.

**Hotline: 01712345678 | Website: [www.nirikhon.com](http://www.nirikhon.com)**