



## Thermal Imaging Detector

### Description

Presenting the Non-linear Junction Detector: a state-of-the-art technology for uncovering concealed electronics. Operating between 2.404GHz to 2.472GHz, it detects devices hidden in walls, floors, and more, offering visual, auditory, and tactile alerts.

This detector identifies USB dongles, SIM cards, papers, fabrics, and bugs, using AI algorithms to analyze harmonic patterns emitted by the target. It finds use in security, education, and personal privacy, boasting accuracy, sensitivity, and flexibility.

With user-friendly controls and an exceptional performance-to-price ratio, it's a cost-effective solution for various scenarios. Safety measures ensure electromagnetic compliance and human well-being.

### Product Specification

#### Nonlinear Junction Parameters:

**Frequency Band:** 2400MHz

**Voltage:** 8.4V

**Frequency Range:** 2.404 GHz - 2.472 GHz

**Receiving 2nd~3rd Harmonic Range:** 4.808 GHz - 4.944 GHz, and 7.212 GHz - 7.416 GHz

**Pulse Mode Transmit Power (Maximum):** 0~4W (ERIP)

**Receiving Sensitivity:** Less than -140dBm

**Battery Working Time:** 5 hours

#### Thermal Imaging Parameters:

**Array Format:** 160x120, continuous scanning

**Pixel Size:** 12 um

**FOV-Horizontal:** 57 degrees

**FOV-Diagonal:** 71 degrees

#### Other Parameters:

**Battery Type:** Replaceable lithium battery, standby for 4 hours

**Charging Time:** Fast charging 2.5 hours/block

**Interactive Interface:** LCD Displays Received Harmonic Signal Intensity

**Detection Distance:** GPS module: 400-500mm, Mobile phone: 180-220 mm

**Product Size:** 633(L) x 111(W) x 250mm(H)

**Product Weight:** 1.6kg

**Working Temperature:** (-)20 to 45 degrees Celsius



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