Thermal Imaging Non-linear junction detector

DT-830

DT-830 is a new type of thermal imaging non-linear junction detector, which integrates the functions of thermal imaging and NLJD. It can detect electronic devices hidden in walls, floors, ceilings, lamps, furniture or containers, as well as evaluate the appearance of it, what improves the efficiency of the operation.

Application

- Business Safety: Detecting unauthorized electronic devices, such as eavesdroppers, mobile phones and devices with SIM cards, hidden in company boardrooms or secret offices.
- Public Safety: Detecting electronic devices hidden or prohibited from use in safe areas, such as detonators, remote controllers, etc.
- Personal Privacy Protection: Detecting Hidden cameras and surveillance devices such as recording pens, cameras, etc. in residential buildings and hotels.

Competitive advantages

- Thermal imaging function;
- Strong Semiconductor Recognition Ability;
- Low probability of false alarms;
- Simple and intuitive interface
- High sensitivity;
- Low weight 1,56kg;
- Long operation time 4h;

Specifications

Nonlinear Junction Parameters	
Transmitting Frequency range	2.404 GHz - 2.472 GHz
Receiving 2nd Harmonic	4.808 GHz - 4.944 GHz
Receiving 3d Harmonic	7.212 GHz - 7.416 GHz
Voltage	7.4V
Pulse Mode Transmit Power (Max.)	0-4W (EIRP)
Receiving sensitivity	-140dBm
Receiving dynamic adjustable range	30dB
Operation Time in Max Power Pulse Mode	4h
Thermal Imaging Parameters	
Array format	160x120, continuous scanning
Pixel size	12 μm
Thermal imaging sensitivity	<50mK (0.050 C)
FOV-horizontal	57°
FOV-diagonal	71°
Lens type	F/1.1
Other Parameters	
Battery type	Replaceable lithium battery
Charging time	Fast charging 2.5 hours/block
Interactive interface	Audio, LCD Displays,Vibration Tips,Imaging of Objects
Detection distance	GPS module: 40-50cm, Mobile phone: 18-22cm
Product size	750(L)*114(W)*108mm(H)
Outer box size	700(L)*330(W)*180 mm(H)
Product weight	1.56kg
Working temperature	-30...+55°C
Working humidity	No more than 93%, no condensate