

Hidden Camera Detector User Guide



Product Model: HZ01

1. Product Overview:

This product employs multi-dimensional fusion detection technology, integrating wireless signal scanning (RF), high-precision magnetic field sensing, and optical lens recognition. It accurately locates hidden wireless devices (WiFi/Bluetooth spy cameras, listening devices, SIM card-based remote monitoring equipment); magnetic devices (GPS trackers with strong magnetic adhesion); and all lenses (regardless of whether the surveillance device is powered or wired, it can be detected through lens reflection characteristics). Effectively eliminating privacy leakage risks, it allows you to enjoy true peace of mind and freedom in any private space—be it hotels, Airbnb, Vacation rentals, Locker rooms, or elsewhere.

2. Diagram&Parts Overview



2.1 Charging Indicator Light Guide

During charging, the red light remains steadily lit. When fully charged, the green light remains steadily lit. The remaining battery level can be determined by the charging indicator light.

2.2 Power On/Off Instructions

Power On: Press and hold the power button for 3 seconds. The indicator light will illuminate, indicating the device is powered on.

Power Off: Press and hold the power button for 3 seconds. The LED light will turn off, indicating the device is powered off.

2.3 Product Button Function Guide

Signal indicator: The more bars lit on the signal strength indicator, the closer you are to the signal source.



Signal Strength Adjustment Button: Features 1 to 4 levels. One light indicates the lowest signal strength, while four lights indicate the strongest signal. Pressing once increases the level by one. This button can be used to enhance the detection signal, making it easier to locate cameras.



Power button: Press and hold for 3 seconds to turn on or off.



Mode Switch Button: Cycles through 6 modes. Press once to switch modes (Lens Scan, Wi-Fi Signal, GPS Tracker, Full RF Scan, IR Detect, Motion Alarm).

3. 6 Modes User Guide

3.1 Lens Scan:

Mode Function: This mode locates hidden surveillance devices by detecting the unique reflections from camera lenses. It is the most reliable method for detecting all types of cameras.(regardless of whether they are powered on or emit wireless signals).

Working Principle: The hidden camera detector emits a special red laser beam that is safe for human eyes. When this beam hits the lens of a camera, it creates a very bright, distinctive red spot (reflective point), thereby exposing concealed lenses.

Detection range: Within 3 meters/118 inches. The closer to the target object, the better the detection performance.

Usage Steps:

①Enable Mode: With the device powered off, press and hold the power button for approximately 3 seconds until the two red LEDs on the top of the device illuminate red, indicating Lens Scan mode has been activated.

②Selecting the mode: Briefly press the 'signal strength adjustment button'  to cycle through the three lighting modes. Choose the most suitable mode based on your environment:

Level 1 (Constant On): Red light remains continuously illuminated. Suitable for rapid, large-area scanning.

Level 2 (Slow Flash): Red light flashes slowly at approximately 800-millisecond intervals. Suitable for careful inspection in general environments, energy-efficient and easy to observe.

Level 3 (Fast Flash): Red light flashes rapidly at approximately 200-millisecond intervals. Ideal for precise positioning in complex reflective environments, where the flashing pattern is more likely to attract attention.

③Perform the scan: In complete darkness, hold the device and slowly sweep the red laser beam across the areas requiring inspection (such as walls, ceilings, vents, mirrors, televisions, clocks, etc.). Keep the device steady and maintain a distance from the scanned surface where you can see clearly (30cm-1.5M/12 inch-59 inch), observing from different angles.

④Identification Target: During scanning, if you detect an unusually bright, concentrated red spot (reflective point), pause immediately. Carefully observe whether this spot originates from a suspicious tiny hole or device. This is highly likely to be a hidden camera lens. You can determine this by slightly moving the device and observing whether the spot reveals a clear, smooth, and exceptionally bright point—distinct from the reflections typically seen on ordinary glass or plastic.

Precautions: Must be used in a dark environment.

Scanning Tips: Scan suspicious areas from multiple angles, as the lens reflection is directional.

Potential False Alarms: Highly polished metal surfaces, glass ornaments, jewelry, and glass eyes in dolls may also produce reflections. Exercise caution in identification.

Safety Warning: Do not point the laser beam directly at your own or others' eyes. Although the laser power is within safe limits, it may still cause eye discomfort.

3.2 Wi-Fi Signal

Mode Function: This mode is specifically designed to detect hidden cameras connected via Wi-Fi that are actively transmitting data.

Detection range: 0-30 cm / 0-12 inches. (The specific distance depends on the signal strength of the hidden camera. The stronger the signal, the greater the detectable

range.)

Why is the detection range so short?

Traditional hidden camera detectors often have overly broad detection ranges, causing them to be constantly triggered by normal devices like phones, routers, and Bluetooth speakers—leading to constant false alarms and unnecessary anxiety. We've deliberately limited the effective detection range to 30 cm / 12 inches. This is not a functional flaw, but a deliberate design choice to avoid false alarms caused by widespread signal interference. It ensures you can pinpoint the exact item harboring the hidden camera (like a charger, power outlet, or tissue box) with detective-like precision—rather than merely knowing a signal exists in the room.

Usage Steps:

- ①Enter Mode: After powering on, press the 'MODE button'  once to switch to the Wi-Fi Signal icon.
- ②Begin scanning: Press the 'signal strength adjustment button'  three times, starting from the highest setting (Level 4). Slowly move the detector around the room to scan.
- ③Initial detection: As the device approaches suspicious items (such as clocks or electrical outlets), the detector sounds an alarm and flashes its light.
- ④Final Confirmation: Set the 'signal strength adjustment key'  to the lowest setting (Level 1), then position the detector within 10 centimeters of the suspicious object. If the detector continuously sounds an alarm and flashes its lights, it can be confirmed that the object is a hidden recording device transmitting signals.

Note: Signal transmission occurs only when the camera is active, enabling our detector to detect it. Detection is possible under two conditions:

1. Someone is controlling the camera to view covertly recorded content. The camera transmits the content via electronic signals, which can be detected at this time.
2. The camera has activated its recording function and remains in continuous operation.

3.3 GPS Tracker

Mode Function: This mode is specifically designed to detect hidden magnetic trackers. By detecting abnormally strong magnetic fields, it helps you locate GPS locators—often equipped with powerful magnets—used for illegal tracking, effectively safeguarding your travel privacy and vehicle security.

Working Principle: A high-precision magnetometer is built into the rear of the device to detect changes in the surrounding magnetic field. The vast majority of GPS devices used for vehicle tracking employ magnetic bases to quickly attach to the metal surfaces of vehicle bodies. This mode can keenly detect the unique strong magnetic

field signals generated by such devices.

Why is this feature necessary?

Illegal trackers often secretly attach magnetic GPS trackers to hidden locations on your vehicle—such as the undercarriage, inside wheel wells, beneath the bumper, or in trunk recesses—to obtain your real-time location information.

Usage Steps:

- ① Entering Mode: After powering on, press the 'Mode'  button twice to switch to GPS Tracker mode.
- ② Begin scanning: Place the 'GPS' magnetic sensor area on the back of the device directly against the surface of the object you wish to inspect (such as the metal body of a vehicle). Maintain a distance of 0-10cm/0-4 inches. Move the device slowly and methodically, ensuring all suspicious areas are covered.
- ③ Detection Alert: When the detector approaches a magnetic tracker, an audible alarm sounds and the indicator light flashes.
- ④ Precise Location: While maintaining the alert state, gently move the detector. The position where the alarm reaches its highest pitch and the indicator light illuminates fully indicates the exact hiding spot of the magnetic device.

Note:

Close contact with the surface: The strength of magnetic signals decreases sharply with distance. For optimal results, the detector must be held in close contact with the surface being inspected during scanning.

Possible false alarms: Certain vehicle components (such as speakers or some sensors) also contain magnets. Therefore, if an alarm is triggered, always perform a secondary verification. Gently move the detector away; the alarm should significantly diminish or cease. If the alarm persists after moving the detector, it is likely caused by the vehicle's own components.

This mode is specifically designed for detecting magnetic materials. For non-magnetic GPS devices (e.g., those secured with adhesive or connected via power cables), please use 'Wi-Fi Signal' or 'Full RF Scan' mode for auxiliary detection.

3.4 Full RF Scan

Mode Function: Performs a comprehensive scan of all wireless signals (including Wi-Fi, Bluetooth, 2.4GHz RF, and cellular network signals) to detect signal transmissions from various wireless surveillance devices, SIM card cameras, GPS trackers, and similar equipment.

Precision-Tuned Design: We deliberately limited the effective detection range to a close proximity (within 30cm/12 inches). This is not a technical limitation, but a professional optimization based on real-world usage scenarios. Traditional detectors

often suffer from excessive detection ranges, triggering false alarms due to interference from countless electronic devices in the room. This leaves you anxious and panicked, wondering “Why is it triggering when there's nothing there?” Therefore, we've sacrificed flashy “ultra-wide range” specifications to ensure you can precisely locate hidden cameras and pinpoint their exact positions.

Usage Steps:

- ①Preparation: To ensure accurate detection, please temporarily turn off your mobile phone and the Wi-Fi router in the room to minimize interference.
- ②After powering on, press the ‘MODE’  button three times to switch to Full RF Scan mode. Press the ‘signal strength adjustment button’  four times to adjust to level 4. Hold the device close (within approximately 30cm/12 inch) to the suspected item (e.g., charging adapter, power outlet, clock, tissue box, stuffed toy, etc.) and perform a slow scan.
- ③Signal Detection: When the device detects a suspicious wireless signal, it will emit an audible alarm and the indicator light will illuminate.
- ④Precise Location: Move the device according to the indicator light changes. When all lights illuminate and flash rapidly, the strongest signal's exact location is locked. Alternatively, set the detection intensity to Level 1 and bring the device close to the suspected object (within 5cm/2 inches). If an alarm sounds and lights flash, this confirms the result.

Note: Only devices that are operational and in signal transmission mode can be detected.

3.5 IR Detect

Mode Function: Specifically designed to detect hidden cameras with infrared night vision activated in environments of absolute darkness.

Working Principle: This mode operates as passive detection. A specialized sensor at the top of the device captures infrared light invisible to the human eye. Many covert recording devices automatically activate infrared illuminators for night vision when light levels are low. This feature detects such specific infrared radiation to identify them.

Usage Steps:

- ①Create a dark environment: Before testing, turn off all lights, draw the curtains, ensure the room is as dark as possible, and wait several minutes to allow the camera to activate its infrared night vision function.
- ②Entering Mode: After powering on, press the ‘Mode’  button four times to switch to IR Detect mode.
- ③Begin scanning: You will notice a black light on the top of the device. Aim it at

suspicious areas or objects in the room (this light emits no visible light). Pay particular attention to suspicious small holes or objects such as smoke detectors, clocks, power outlets, mirrors, air conditioners, etc.

④Detection Alert: When the sensor detects infrared light emitted by hidden cameras, the indicator lights will rapidly increase (all lights illuminate) and an alarm sound will activate. The more urgent the alarm tone and the greater number of indicator lights illuminating indicate your proximity to the infrared signal source.

Note:

1. This mode must be used in a completely dark environment to be effective.
2. etection Range: The effective detection range depends on the intensity of the infrared lights in the hidden camera. Optimal results are typically achieved at specific angles and relatively close distances. We conducted tests using a home wired camera, which performed well within 1.5 meters.
3. In well-lit environments (daytime), using IR Detect mode may cause the product to generate false alarms.

3.6 Motion Alarm:

Mode Function: When activated, the device will immediately emit a loud audible alarm upon detecting movement or vibration. This feature serves as your portable security sentinel during travel, alerting you to unauthorized entry or movement to safeguard your personal space and belongings.

Working Principle: The device incorporates a high-sensitivity vibration sensor. Once the mode is activated, any physical movement or vibration triggers the internal alarm mechanism, causing the device to emit an audible alert to deter intruders and alert you to the situation.

Usage Steps:

①Activation Mode: With the device powered on, press the ' Mode  button five times to switch to Motion Alarm. You will see the Motion Alarm indicator light up, indicating that Motion Alarm mode has been activated.

②Equipment Placement:

Door Alarm for Hotels: Securely place the device on the door handle or floor near the door gap. Vibrations caused when the door is pushed open will trigger the alarm.

Bag Protection: Place your device inside your carry-on bag or suitcase. Should the bag be accidentally moved or taken, an alarm will sound immediately.

③Waiting for arming: After placement, the device requires approximately 10 seconds to enter standby mode. Subsequently, any movement will trigger an alarm.

④Triggered Alarm: Once activated, the device will emit a loud alarm sound lasting approximately 30 seconds.

⑤Alarm Cancellation: Simply turn off the device to stop the alarm.

Notes:

1. Place the device on a stable surface. Placing it on soft or unstable surfaces (such as beds or couches) may cause false alarms.
2. The device features a brief delay trigger time (approximately 10 seconds), which is a normal design feature intended to prevent accidental triggering if the device is moved while being placed.
3. On public transportation such as planes and trains, or in quiet hotel corridors, please ensure this mode is turned off to prevent accidental activation and avoid unnecessary embarrassment.

4. Product Specifications

Volume	5.9 x 0.8 inch/15 x 2cm
Weight	30g
Charging port	Type-C
Charging power	DC 5V/1A
Battery	3.7V/200mAh Lithium Polymer Battery
Sensitivity	4 Levels adjustable
Receiving frequency range	1MHz-6.5GHz
Signal detection range	0-30cm/0-12 inch
Infrared automatic alert	0-3M/0-118 inch
Infrared laser detection distance	0-3M/0-118 inch
Material	ABS

5. What items are commonly disguised as hidden cameras?

Smoke detectors, power outlets, charging plugs, power banks, televisions, set-top boxes, lighting fixtures, screws, clocks, digital photo frames, tissue boxes, air fresheners, hooks, decorative paintings, dolls, and ornaments.

6. FAQ

Q1: Does this thing really work? How do I know it's not a scam?

A: Hello, this detector's effectiveness is based on its multi-sensor fusion technology. It doesn't fail as easily as single-principle detectors. For example:

- Wireless signal detection captures Wi-Fi/Bluetooth transmissions.
- Lens scanning works by detecting the physical reflection properties of lenses, enabling detection even when the device is powered off.

This cross-verification approach significantly enhances reliability. We recommend familiarizing yourself with its operation in a safe environment (e.g., testing with your

own phone camera) to build confidence in its capabilities.

Q2: How is it different from detection apps on my phone? Why should I buy a dedicated device?

A: That's an excellent question. Phone apps typically only detect wireless networks, offering very limited functionality with high false alarm rates. Our professional hidden camera detector features:

- Dedicated high-frequency RF sensors: Wider detection range and higher sensitivity (e.g., 2.4GHz RF, SIM card signals).
- High-sensitivity magnetometer: Locates magnetic GPS trackers—a capability completely absent in smartphones.
- Dedicated infrared laser emitter and optical sensor: Performs lens scans—the only way to detect non-wireless cameras, which smartphone cameras cannot replicate.

Q3: What is its detection range? Why does it need to be so close?

A: Precise targeting rather than broad alerts is our core design advantage. We intentionally limited the wireless detection range to within 30cm/12 inches for the following reasons:

- Avoiding false alarms: Hotel rooms are filled with legitimate signals like phones and routers. A wide detection range would trigger constant alerts, making it impossible to identify genuine threats.
- Precise Localization: The short range requires you to approach suspicious items (like set-top boxes or outlets), enabling you to pinpoint the specific object concealing the camera—rather than merely knowing “there's a signal in the room.”

Q4: Can it detect all types of cameras? What are its limitations?

This detector is designed to locate the vast majority of hidden cameras using multiple technologies, but it's important to understand its limitations:

- It can detect: active wireless cameras, magnetic GPS trackers, and all types of lenses (whether powered or not).
- Its limitations: Wireless detection is ineffective if a device records only to its internal memory card, emits no signals whatsoever, and is powered off. However, our Lens Scan feature remains effective because lenses themselves cannot be concealed. Therefore, we always recommend using all modes together for the most comprehensive inspection.

Q5: Does it require an internet connection or app installation? How is it updated?

A: Rest assured! This hidden camera detector is a standalone hardware device that absolutely does not require an internet connection, Bluetooth, or any app. It does not collect, upload, or store any of your data. Your privacy and security are our top priority.

Q6: Does this detector frequently give false alarms? Will it go off randomly for everything in my room?

A: Thank you for raising this important question. We designed this hidden camera detector to be sufficiently intelligent and precise to avoid causing unnecessary panic. Here's how it works:

To address this concern, we've upgraded the product to limit its effective detection range to within 30cm. This means you must be close to a suspicious device for an alarm to trigger. If you receive an alert from across the room, it's likely your router. However, if the detector only sounds an alarm when pressed directly against an electrical outlet, you've probably found something suspicious. This short-range design transforms a potential weakness into its greatest strength: pinpoint accuracy.

7. Product Warranty

We provide a 12-month warranty for our products. Should you encounter any issues during use, please feel free to contact us at any time.

8. Product Testing Range (Actual range varies based on signal strength of tested items)

WIFI Signal Mode Testing Wired Cameras: 10-35cm / 3.9 inch - 13.7 inch

Level 4: 35cm / 13.7 inch

Level 1: Within 10cm / 3.9 inch

WIFI Signal Mode Testing Routers: 35-65cm

Level 4: 65cm/25.5 inches

Level 1: 35cm/13.7 inches

Full RF Scan Mode Testing Routers: 50-80cm

Level 4: 80cm/31.5 inches

Level 1: 50cm/19.6 inches

Full RF Scan Mode Test for Cellular Networks (Android Phone)

Level 1: 14cm/5.5 inches

Level 2: 16cm/6.3 inches

Level 3: 18cm/7.09 inches

Level 4: 21cm/8.27 inches

Federal Communications Commission (FCC) Statement. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received,

including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide Reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the

user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by may void the FCC authorization to operate this device. Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.