

SPECIFICATIONS * Specification may change without notice.

Dimension	L 11.6 x W 7 x T 3.3 cm (including antenna: L 19 cm)
Weight	about 215g (not include battery)
Power	1. Switching power adaptor 2. AAA / UM-4 dry battery or rechargeable battery 3. Support external power bank
Detecting Frequency	1. Wireless video camera: 900 ~ 1300 MHz, 2340 ~ 2550 MHz, 5645 ~ 5945 MHz 2. WiFi IP camera: 2410 ~ 2480 MHz, 5180 ~ 5320 MHz, 5745 ~ 5825 MHz
Video protocol	Auto-switching for NTSC, PAL and SECAM
Operation mode	Auto – Lock – Manual fine tune
Scan indication	1. Wireless video camera: Image and frequency of scanned video signal 2. WiFi IP camera: LED, Beep & Vibration
Warning mode	1. Beep 2. Vibration 3. Earphone for silent detection
Scanning band / Channel	1. 1.2 GHz - 2.4 GHz - 5.8 GHz video camera bands 2. 2.4G WiFi CH1 – CH13 3. 5G WiFi CH 36 – CH 64, CH 149 – CH 165
Detecting Distance	1. Wireless video camera: up to 200 feet 2. WiFi IP camera: up to 12 feet

The detecting distance depends on the output power of source transmitter.

WARNING

Use this device as an auxiliary, supplemental help or aid to prevent the risks caused by hidden cameras. This device does not take the place of all the supervisions. Performance of this Radio frequency (RF) product will be affected by the circumstance of use. The producer and marketing group accepts no liability for any loss or damage by malfunction or misuse.

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VS-127

Multi Functional Camera Detector

Mini Wireless Camera Hunter

900 ~ 1300 MHz, 2340 ~ 2550 MHz, 5645 ~ 5945 MHz

WiFi IP Camera Detector

2410 ~ 2480 MHz, 5180 ~ 5320 MHz, 5745 ~ 5825 MHz

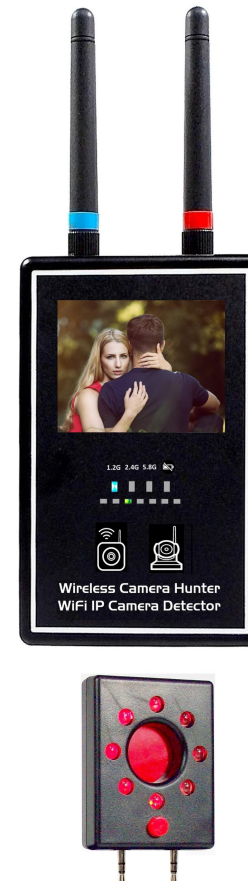
Plug-in Lens Finder – Expose All Camera's Lens

User's Manual

Thank you for purchasing the Multi functional Camera Detector. Please first read over this manual for proper use, save and keep it handy.

GENERAL

This new multi-functional camera detector can discover all kinds of hidden cameras. It can display video of 1.2G / 2.4G / 5.8G wireless video camera, can identify and verify the activity of **2.4G / 5G** WiFi IP camera, with plug-in Lens finder can expose all camera's lens.



Wireless Video camera		WiFi IP camera	

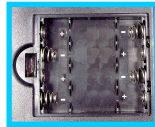
The main operations are as follows.

1. Install battery
2. Turn on
3. Video camera scan
4. Image display
5. Lock image
6. Fine tune image
7. Audio demodulation
8. Unlock image
9. **Detect WiFi IP CAM**



⚡ INSTALL BATTERY

The battery compartment locates on the rear side. Install AAA / UM-4 battery x 4 according to the + – indication, then put on the battery cover. This device is available with both dry batteries and rechargeable batteries. **Note:** Never connect the battery charger or external power bank when using dry batteries inside.



⚡ TURN ON

The power switch is in the center of the right side, marked with 1 and 0. 1 = turn on, 0 = turn off.



⚡ VIDEO CAMERA SCAN MODE

After switching on, this device will enter the default "Video camera scan" mode and start to scan from the 1.2G frequency band, the Blue LED in the upper row will light up at 1.2G, and the Green LED in the lower row will shuttle to-and-fro.



This device will scan during 1.2G – 2.4G – 5.8G cyclically. When shifting to the 2.4G frequency band, the Blue LED will light up at 2.4G. Likewise, the Blue LED will light up at 5.8G when scanned to the 5.8G frequency band.

up to 70%, the charging indication will change to green as slow charging. It will take about 6 hours for fully charge.

3. While the batteries run down, and this device keeps turning on and does not connect with the battery charger or power bank, the batteries will be over-discharged, and the batteries will be damaged.
4. Batteries will be overcharged and damaged if keeping on charging this device. The producer and seller accept no liability for the damage caused by over-discharge or over-charge.
5. If not use this device for a long time, remove the batteries to avoid the battery leakage damaging the circuit board.

⚡ SUPPORT POWER BANK FOR LONG TIME USE

This device has a mini USB port on the right bottom side for connecting with the Power bank to continue the scan job when the battery power is exhausted.



⚡ NOTICE: Remove the DRY batteries inside before connecting with the power bank or battery charger.

⚠ NOTICE OF USE

1. Unauthorized repair or disassembly of this device will void all the warranties.
2. Avoid water.
3. Do not store this device in an excessively hot place.
4. Avoid knocks or dropping this device.
5. Never use the antenna of this device to touch a metal surface or the antenna of the signal emission source. The quality warranty does not include the damage caused by static electricity or feedback.

PACKAGE CONTENTS

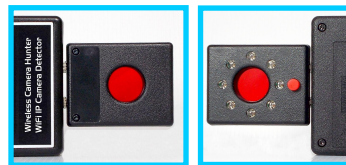
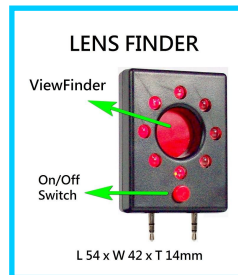
1.	Wireless camera hunter	4.	External power adaptor x 1
2.	Detachable SMA antenna x 2	5.	Earphone x 1
3.	AV output cable x 1	6.	Rechargeable batteries x 4(optional)
7.	Lens Finder		

☞ NOTICE OF WIFI IP CAMERA DETECTION

1. This device detects the activities of the WiFi signal, but **does not read the WiFi data, so it will NOT display the image of the WiFi IP camera.**
2. If detects other signals at the same frequency as the WiFi IP camera, this device will vibrate and beep twice and then go on to scan the next channel.
3. Output strength of WiFi router is 100mW or higher, which is much stronger than WiFi IP camera ($\leq 1\text{mW}$). The detecting distance of a WiFi IP camera is usually less than 0.5 meters for the lowest sensitivity at "1". If the detecting distance is still more than one meter, the signal source is probably a WiFi router.

☞ LENS FINDER Exposing All Camera Lenses

1. Attach the Lens finder on this device by inserting the plugs into the 2 sockets on the bottom side, facing the 8 ultra-bright lights to the front side. **Note:** The Lens finder will not work if insertion on the wrong side.
2. Press down the On / Off switch of the Lens finder, and the 8 ultra-bright lights start blinking. Point the light beam towards the suspected area and scan slowly to check the reflection of the illuminated light.
3. Look through the Viewfinder, which can identify the camera lens easier. This lens finder also can uncover a hidden wireless camera even if the camera turns off.
4. When not in use, turn it off to save battery power.



☞ BATTERY & CHARGING STATUS

1. While the Battery Low LED lights up, it means the batteries run down. If used with rechargeable batteries, connect the battery charger or power bank to recharge the batteries and continue detection. If used with dry batteries, replace new batteries.
2. While starting to charge, the charging indication on the right bottom side of this device lights up in red as quick charging. While charging

The upper row is **scanning band** indication and **battery low** indication. Three blue LEDs indicate 1.2GHz - 2.4GHz - 5.8GHz three frequency bands individually for the user to know the scanning status. The LED on the very right side is a low battery warning (Bat Low), it will go red when battery power runs down.

The lower row is the indication of **scanning** and **image lock**. During scanning, the green LEDs will shuttle to and fro. When receiving video signals, the user can lock the image, then the green LED will still.

☞ IMAGE DISPLAY

When detected wireless video signal, its image will display on the screen. The frequency of the image will appear on the left bottom side of the screen. The duration of image display on the screen depends on the video signal strength, the stronger will stay longer.

2410MHZ 

The scanning keeps on. If the user does not lock the image, the screen image will fade away when scanning to the next frequency. The screen will shut down to save power if no signal is detected. If detected video signal again, the screen will light up to display the image.

☞ LOCK IMAGE

Press and hold the (+) button on the left side for 1.5 seconds to lock the screen image. After the image is locked, this device will beep once. Then the scan will stop, and the scanning indication will stop to-and-fro. The frequency of the image will fix and blink on the screen.



☞ FINE TUNE IMAGE

After the image is locked, press the buttons + - on the left side to tune the image at its best resolution. Press the (+) button once, it will beep once and the frequency on the left bottom side of the screen will increase. Press the (-) button once, it will beep once and the frequency on the left bottom side of the screen will decrease.



☞ AUDIO DEMODULATION

This function is a unique technology of its kind. Plug the earphone into the jack on the right upper side to hear the audio of the image. If you can not hear the audio, press and hold the (-) button on the left side for 1.5 seconds to shift the audio frequency.



When hearing beep once, the bottom of the screen will appear L, which

means the frequency of audio demodulation is 6.5 MHz. Press and hold the (-) button on the left side for 1.5 seconds again, the audio demodulation will shift to R, which means the frequency of audio demodulation is 6.0 MHz.

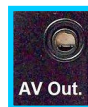
Most of the audio of wireless video cameras are 6.0 and 6.5 MHz. If you can not hear the audio in both settings of L and R, the scanned wireless camera might not have audio demodulation. Press and hold the (-) button on the left side, the audio demodulation will be shifting between L and R (6.5 and 6.0 MHz) every 1.5 seconds.

UNLOCK IMAGE

After having a clear understanding of the image, press and hold the (+) button on the left side for 1.5 seconds to unlock the image. When hearing a beep, it means that the image is unlocked. The scan will keep on, and the scan indication will start blinking. The frequency will not appear on the screen until the image appears on the screen.

VIDEO / AUDIO OUTPUT

The jack on the right upper side is shared by the earphone and AV output. Plug in the AV output cable and connect it with the DVR to record the scanned image and audio.



WARNING MODE SETTING

This device has three kinds of warning modes: 1. Beep and vibration 2. Vibration 3. Beep. The factory default setting is "Beep and vibration".



To change the warning mode, turn off this device. Before turn on, first press the (-) button on the left side, and then use another hand to turn it on, it will enter the "Warning mode setting".

Press the (-) button once, the warning mode will shift once, from 1. Beep and vibration to 2. Vibration, then to 3. Beep cyclic. After setting with the preferred warning mode, press both (+) (-) buttons to save your setting.

Before detection, **first, disconnect the WiFi of all devices on the spot** to avoid interference.



WiFi IP CAMERA SCAN

1. After switching on or during the video camera scan, **press the (-) button on the left side once**, this device will enter WiFi IP camera scan mode.
2. The Blue LED in the upper row will light up at 2.4G and start to scan channel by channel, the Green LED will light up at the first channel (CH1), and each channel will take about 3 seconds to identify and verify. After verified WiFi activity, this device will vibrate and beep.
3. If this device only vibrates and beeps twice, this means just other signals in the same frequency, not the signal of the WiFi IP camera.



LOCK CHANNEL

1. When identifying WiFi activities, press the (+) button on the left side for 3 seconds to lock at the current channel.
2. Turn the sensitivity clockwise to reduce the detection distance, then approach the location of the signal source.

SENSITIVITY ADJUSTMENT

1. There is a tuner on the right side with codes 9 ~ 1, which is **just for "WiFi IP camera scan mode" only**. Default at 9 is the highest sensitivity; turn counterclockwise to lower the sensitivity, and code 1 is the lowest sensitivity.
2. After verifying the WiFi activities, this device will vibrate and beep. Turn the sensitivity tuner to **"6"** and wait for 5 seconds. If vibration and beep stop, forward one footstep and hold this device to scan half around to find the direction with WiFi activity.
3. If this device keeps vibration and beep, lower the sensitivity to **"3"** until vibration and beep stop, forward one footstep, and hold this device to scan half around.
4. After verifying the activities of WiFi again, according to the above method, lower the sensitivity and forward one footstep, to approach the location of the signal source.

