

SPECIFICATION * Specification may change without notice.

Detecting range	50 MHz ~ 6.0 GHz	
Dimension	L 11.6 x W 7 x T 3.3 cm (not include antenna)	
Weight	About 160g (not include battery)	
Power	1. 5V DC switching power adaptor 2. AAA / UM-4 NiMH battery or dry battery x 4	
Warning mode	1. LED indication 2. Beep alarm sound 3. Hi Signal 4. Vibration 5. Earphone silent detection	
Detecting Distance	Wireless bug (2mW)	About 5 meters
	2.4GHz WiFi	About 10 meters
	100mW 2.4GHz Wireless camera	About 7 meters
	10mW 5.8GHz Wireless camera	About 4 meters
	GSM cell phone	About 4 meters
	Smart phone (4G, 5G: 3300~3700MHz)	About 4 meters
	3G 2100 cell network	About 7 meters

* The detecting distance will be varied depending on the signal strength.

WARNING

Use this device as an auxiliary, supplemental help or aid to prevent the risks caused by hidden camera, cellular phone or other wireless devices. 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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DSIPROMULT8LW

Professional RF signal detector

Unique Two Stages Sensitivity Adjustment

- Catch small and strong signal no matter in quiet or noisy place

GSM/3G/4G/5G (3300~3700 MHz) detection

User's Manual

Thank you for purchasing this Hi-tech device. Please first read over this manual for proper use, save this manual and keep it handy.

● INSTALL BATTERY

Battery compartment is located in the rear side. Remove the battery cover, install AAA / UM-4 battery x 4 according to the + - indication, then put on the battery cover. This device is **available both dry battery and rechargeable battery**.

Note: Never connect the battery charger or external power bank when to use **dry battery** inside.



The power switch is located in the center of right side. Set at 1 to switch on, set at 0 to switch off.



● POWER-ON SELF-TEST

All the LEDs of this device will be lit up every time this device is switched on. Then the 8 Signal strength indication LEDs will be put out one-by-one. Other LEDs will also put out, only remaining Power and Beep two LEDs.

● RELIABLE DEFAULT BENCHMARK

1. After this device finished its self test, the sensitivity will stay at factory default benchmark of "**Level 8**" and the digit display shows 8, this is default sensitivity benchmark.



2. If this device beeps or vibrates and some of the LED light up, it means that there should be some wireless signals or environment noises around.

● 8-LED SIGNAL STRENGTH INDICATION

The 8-LED bar will light up according to the signal strength from low to high, green → yellow → red, higher signal, more LED.



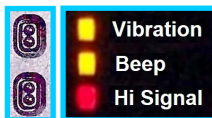
● SMART INDICATION OF ALL STATUS



No.	NAME	DESCRIPTION
1	Power	Switch on
2	Vibration	Vibration warning mode (manual shift)
3	Beep	Beep sound warning mode (Default)
4	Hi Signal	Warning of strong signal in around
5	CAM / Bug / LTE	Analog / Spread spectrum signal of Camera, bug and cellphone(2G,4G,5G)
6	WiFi	Digital signal of WiFi and IP camera
7	Battery low	Battery power running down
8	Charging	Status of battery charging
9	5. Yellow + 6. Blue LED	Detected 3G 2100 radio wave

● 3 WARNING MODES

Press the 2 buttons in left side together, can shift the warning mode between beep and vibration.



1. **Vibration**
2. **Beep (Default)**
3. **Hi Signal** Strong signal warning

⚠ NOTICE OF USE

1. If you are not going to use this device for a long time, remove the batteries to avoid damage caused by corrosion from battery leakage.
2. Unauthorized repair or disassembly of this device will void all the warranties.
3. Avoid water.
4. Do not store this device in an excessively hot place.
5. Avoid knocks or dropping this device.
6. Never use the antenna of this device to touch a metal surface or the antenna of signal emission source. The quality warranty does not include the damage caused by static electricity or feedback.

PACKAGE CONTENTS

1.	Professional RF Signal Detector	2.	Switching power adaptor x 1
3.	Earphone x 1	4.	NiMH batteries x 4 (optional)
5.	USB-Mini USB cable x 1	6.	Lens Finder x 1

● EFFICIENT IDENTIFY WIFI HIDDEN IP CAMERA

New hidden IP camera applies WiFi technology with smartphone app. The IP camera will stay idle and start sending signal when the owner activates the app to watch.

The WiFi indication (Blue LED) will blink to identify the activities of WiFi hidden IP camera to warn that someone is watching you.

● WITHOUT INTERFERE WITH PERMANENT WIFI

In the place with permanent WiFi, this device still can detect and locate different radio waves efficiently, without affection by WiFi.

● STANDBY / IDLE PHONE REGISTRATION DETECTION

When the signal strength of cell site weakens, the cellphone will re-scan the cell site to do new registration automatically.

This device can detect the standby / idle phone, especially smartphone, when it does registration / communication with the cell site. The interval time and number of times of registration / communication is varied among different networks and cell phones.

● SUPPORT POWER BANK

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



■ **NOTICE 1:** Never connect with computer or notebook, their USB does not supply enough power for this device.

■ **NOTICE 2:** Remove the DRY battery inside before connecting with power bank or battery charger.

● ABOUT BATTERY

1. When the Battery Low LED lights up, it means the battery runs down. If use with rechargeable battery, connect the switching power adaptor to continue the detecting and to recharge the battery at the same time. If use with dry battery, replace new batteries.
2. When the battery runs down, If the switch is kept at "on" and do not connect with power adaptor, the battery will be over **discharged** and will damage the battery. Please set the on/off Switch at "off" and connect the power adaptor to charge this unit, it will take about 6 hours to full charge.
3. Battery will be **over charged** if you keep on charging it without using that will also damage battery. The producer and seller accept no liability for the damage caused by the over discharge or charge.
4. If you are not going to use this device for a long time, remove the batteries to avoid the battery leakage damaging the circuit board.

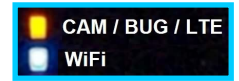
● EXPERT 3G 2100 DETECTION

This device has an individual 3G 2100 detector module which has excellent detecting ability, none can compare with.

● STRONG SIGNAL WARNING (HI SIGNAL)

If there is strong signal around, user needs to lower the sensitivity in the 2nd stage, the **Hi Signal** warning will light up in red to alert the user.

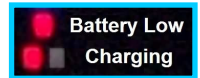
● AUTO INDICATE SIGNAL TYPE



This device will indicate detected signal automatically.

1. **CAM / BUG / LTE** : Analog and Spread spectrum signals of wireless camera, wireless bug, signal jammer and 2G / 4G / **5G** cell phones, etc..
2. **WiFi**: Digital signals of WiFi, IP camera, wireless digital camera, etc.

● BATTERY & CHARGING STATUS

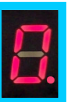


1. **Battery Low** : When turn on this device, if Battery Low LED lights up in red, it means the batteries run down. Please charge or replace the batteries.
2. **Charging**: Indicate the status of battery charging. When starts charging, This indication lights up in red as quick charging, when charging to about 70%, it will change to slow charging, this indication will shift to green.

▲ TWO STAGES DIGITAL SENSITIVITY ADJUSTMENT ▲



1. This device applies unique technology of 2 stages digital sensitivity adjustment to fit the place with strong signal. The (-) minus button, located in the lower of left side, can reduce the sensitivity.
2. The first stage of sensitivity has 9 levels, from 9 to 1. The default sensitivity is level 8. Press the (-) minus button once, the sensitivity will lower on level, and the 7 segment display will show 7, the detecting distance will become shorter.
3. If the sensitivity is lowered to level 1 and the signal strength LEDs still light up, it means that there should be strong signal around. Press the (-) minus button again, the sensitivity will enter to the 2nd stage, and the **Hi Signal** warning will light up in red.
4. The 2nd stage sensitivity has 6 levels, from **5. ~ 0.** (There is a red dot in right bottom side of 7 segment display for distinguish more easily).
5. When the 2nd stage sensitivity lower to 0. which is the lowest level. The buzzer will beep 3 times to alert the user.



- In the first stage, the super high sensitivity of this device can detect **10mW 2.4GHz wireless signal or 3G 2100 signal (both are weak signal) up to 7 meters (21 feet)**. The second stage of this device has big tolerance to eliminate the interference and to find the strong signal source. This device can approach two watt (2W) transmitter in about 2 feet (0.6 meter), none can compare with.

● SEMI DIRECTIONAL ANTENNA

This device **has feature of semi directional**. When reducing the sensitivity to approaching the signal source, the **scan angle** is also changing from wide to narrow, 120 degree → 90 degree ... 45 degree. This feature is very helpful in locating the signal source.

HOW TO OPERATE

- Pull out the antenna and turn on this device. This device will do power-on self-test and then remain the Power and Beep LED light up.
- If more than one strength indication LED lights up and beeps go off (vibrate), it means that there is wireless device operating around.
- Refer to the chapter of “How to find (locate) the signal source” to find the position of signal source.
- This device will identify the signal type.
- Press once both the 2 buttons in left side of front view, can change the warning mode cyclically, beep → vibrate → beep → vibrate ...
- To detect without other’s awareness, set the warning mode at Vibration or connect with earphone for silent detection.

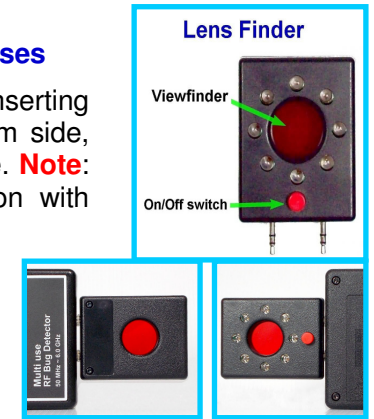
● HOW TO FIND (LOCATE) THE SIGNAL SOURCE

- Set the warning mode at Beep or connect earphone to find (locate) the signal source. Vibration is not suitable for finding the signal source.
- Correct holding way of this device is the front side (with LED and speaker) facing to user and keep the antenna in upward.
- Hold this device to scan half around to detect the signal. Forward one footstep to the strongest signal direction. When the 8-LED signal strength indication all light up and the scan range (angle) over 120 degree, press once the – (minus) button to lower down one level of the sensitivity.

- The scan angle will become smaller. Hold this device to scan half around and forward one footstep to the strongest signal direction.
- Repeat above step 3 and 4, should be able to approach and then get the signal source.
- If lose the signal during locating the position of signal source, press the + (plus) button to raise the sensitivity until get the signal and continue the detection.

● LENS FINDER Exposing All Camera Lenses

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



● LED DISPLAY of SIGNAL TYPE

Yellow & Blue LED blinking	Blue LED light up Yellow LED blinking	Yellow LED light up	Yellow LED & Blue LED light up
Detecting	WiFi	Wireless camera, Smartphone	3G 2100

- Refer to the chapter “**HOW TO FIND (LOCATE) THE SIGNAL SOURCE**” to find the location of signal source.
- In the place with permanent WiFi, this device still can detect and locate different radio waves efficiently, without affection by WiFi.

● DETECT GSM / 3G / 4G / 5G (3300 ~ 3700 MHz)

This device does not only detect GSM / 3G / 4G signals, but also can detect 5G sub 6 frequency bands. 3300 - 3700 MHz are the major frequencies used in Europe, Asia, Middle East and Africa.