

# Hybrid PIR Sensor & Camera

## About W2

1. The Pioneer wireless infrared detector based on wifi network to realize the functions of Voice Message leaving, Video Recording, Alarm Notification, etc.
2. Hybrid PIR & Camera
3. HD video and image.
4. Infrared detector with the feature of temperature compensation to reduce false alarm.
5. Comprehensive APP setting. Support to Connect with the RF home alarm host.
6. Support the online Update of latest App Version.
7. Built-in high-capacity polymer battery ensures the regular work when the detector encounters power failure.
8. Support max 32G memory card

## Open-package inspection:

When you receive the package of Infrared detector kit, please clearly check the objects followed are not missed or damaged, if there is something unusual, Please contact the reseller in time

W2 Hybrid PIR Sensor& Camera	1 Piece
Power Adapter	1 Piece
USB Cable	1 Piece
User Manual	1 book
Mounting Bracket	1 Piece

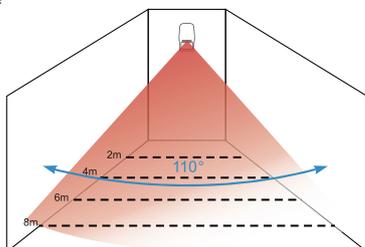
## Installing Caution and Method

1. The Infrared Detector W2 is supposed to install at the place where covers a good wifi network. It is suggested to test the wifi network by smart phone before the installation.
2. The Infrared Detector W2 is supposed to install at the place where people frequently walk in and out, the place needing the camera Surveillance. It can make sure the video is recorded when there happens emergency event.
3. Do not directly install the infrared detector W2 on the iron sheet or objects that shields the signal.
4. Do not make the infrared detector W2 directly face the Glass door or window.
5. Do not make the infrared detector W2 directly face the large Swinging Objects.
6. Do not make the infrared detector W2 directly face the Cold or hot Vents and Sources.
7. The Infrared Detector W2 is not supposed to install at the place where exists partition screen, Furniture, large bonsai and other partitions.
8. A single room is not supposed to install over 2 pieces infrared detectors, or it will lead to signal interference when the alarm is triggered.
9. Install the fixed bracket. Then mount the infrared detector W2 to the bracket and complete the installation.
10. Detecting Distances≤10m, Transmitting Distances≤80m(in open area). As the detecting and transmitting distance is different according to adverse barriers, please take a test after completing the installation.

## Installation Diagram



## Detecting Scope



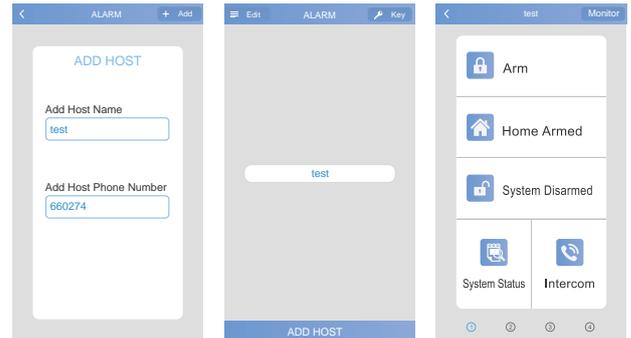
## The Operation Guide :

W2 Setting: when the infrared detector gets the power electricity, Indicator lights up and goes out after 1 second, The detector will enter the initialized status, the Led indicator light will blink for 60 seconds, then the light stops, the detector enters into the monitor status.

Wifi Connection: The detector will make a "crack" sound after 30 seconds when it gets the power electricity, then the wifi network is available to connect after waiting for 10 seconds.

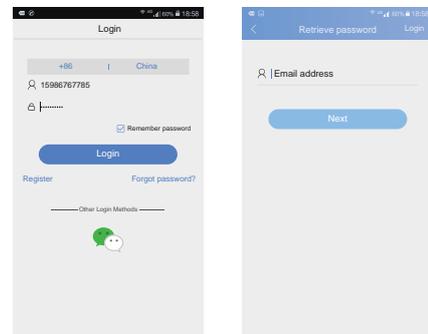
## iAlarm Plus APP Registration

Click The icon "ialarm plus" to open the app, then click "add host" at the bottom interface, input the host name and host phone number to add the host successfully, click the added host name to reach system interface. Lastly click the "Monitor" at the upper right corner, to register the camera app and add the wifi Hybrid Pir sensor& camera device.



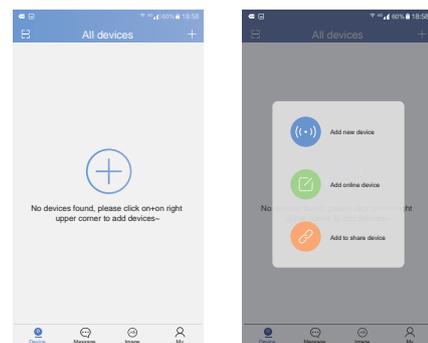
## App Registration

When you click the icon "monitor", it will automatically switch into the interface of "Yoosee" camera app, Register the account for the Pir camera as the instruction prompts.

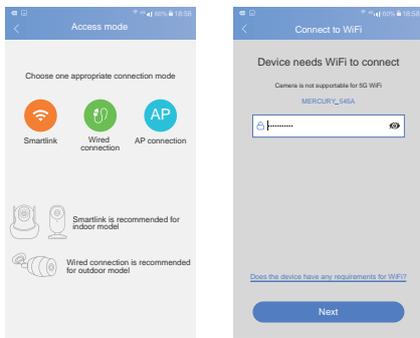


## Network Configuration

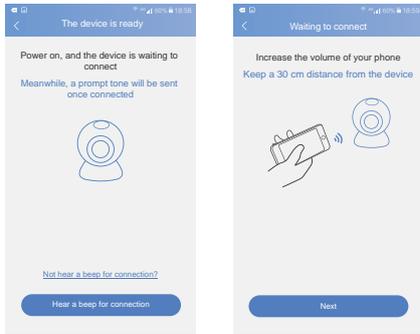
1. After entering the app, click the "+" icon in the interface, Select "add new device" to add the W2 device.



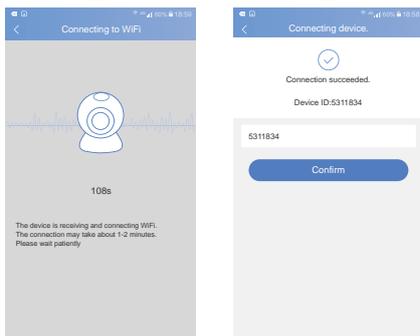
2. Click "Intelligent Network Connection", input the Wifi password and click "next step".



3. Click "Voice Prompt after Connection" to switch into "Waiting the Connection", then waiting for 30 seconds, click "Next Step" to scan the W2 Device.

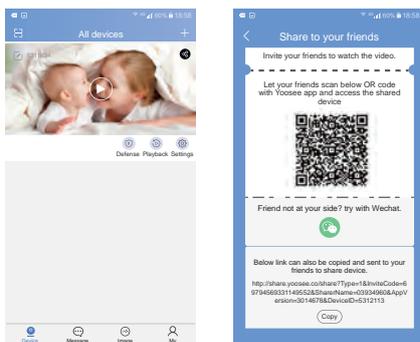


4. App will show "Wifi Connecting", it lasts for 120 seconds. It will make a noise when scanning. After App scans out the W2 device, it will automatically connect it without manually inputting the password.



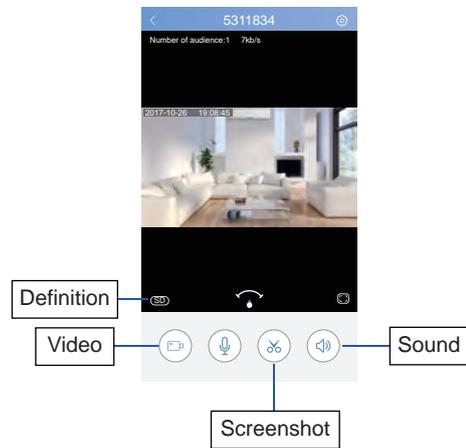
**Automatic Network Adding:** After connecting W2 to the power electricity, after 23 seconds, you will hear the infrared switcher inside W2 making a "click" sound, waiting for 10 seconds, the Wifi network is available for connecting, long press the "Reset" key for 15 seconds and release it when you hear second "click" sound, Again waiting for 25 seconds. you will hear the third sound of "Click", Now click the "next step" for automatic network adding, it will take 15 seconds to connect the W2 device.

**Manual pairing:** Click icon on the upper right for sharing with other users who scan icon via APP interface then click "scan QR-code of main user" and Click "recognition of QR-code interface" then it will display " to connect" on the bottom, it can be connected soon and watch video smoothly



## W2 Camera

Click the W2 ID and enter into the Camera Interface after the initialized network connection. W2 supports Screenshot, The video's definition is adjustable. You can freely watch the video on APP. But it needs to save the video by SD memory card.



## W2 Deletion

There will display the "added device" in the "Device List", long press the "added Device" you want to delete. when it reminds "Untie the Detector", do it and delete the Device.

(iphone Users can delete the device by pressing the chosen host name and Sliding it to left)

## System Time Setting

in the "Device List", click the setting of the Device you want, click the "Time Setting" to set the time and time zone. (Attention: you have to choose the right time zone for setting the time).

## Video Setting

in the "Setup List", Click the "Video Setting". You will see...

1. Video Format: NTSC/PAL (Optional)
2. Image Rollover: Turn on "Image Rollover". You will see the front view of video. Turn off it. The video is upside down.
3. click "Setting" of W2, select the "Video Setting", click it and it will record the video when moving object passes W2 (Attention: it requires to put SD memory card (Maximum 32G) in W2 Before Recording The Video).



## Version Update

You can see the current device app version in the "Update", Click "Update Version" to obtain the latest Version.

## Technical Parameter

- Power Input: DC5V 2A
- Static Current:  $\leq 350\text{mA}$
- Alarm Current:  $\leq 600\text{mA}$
- Backup Battery: 4.2V 300mA Li-polymer battery
- Backup Battery Charge Duration: 10 hours' full charge can keep the work for 2 days (only the infrared part work, not with camera)
- Sensing device: 1 million COMS sensor
- Resolution: 1280 \* 720
- Minimum illumination: day mode 0.1LUX, night mode 0.01LUX.
- noise-signal ratio:  $\geq 38\text{dB}$
- Lens / Viewing Angle: 3.6mm Megapixels @ F1.4 / 74'
- Video mode: alarm recording
- Wireless mode: IEEE802.11b / g / n wireless network
- Radio Frequency: 433MHz ( $\pm 75\text{KHz}$ ), PT2262 / 4.7MΩ
- EV1527/300K (433MHz is Customized)
- Transmitting Distance:  $\leq 80\text{m}$  (in open area)
- Detecting Scope: 8M, Degree 110°.
- Temperature:  $-10\text{C} \sim +50\text{C}$