PR903W Waterproof Solar Trail Camera with Infrared Night Vision - 8K, 60MP

Camera overview

1. 2.0" LCD Display Screen
2. Power Switch
3. Speaker
4. TF SD Card slot
5. USB interface
6. DC 6V interface
7. Battery Box
8. 2.0"LCD Display Screen
9. Power Switch
10. Speaker
11. TF SD Card slot
12. USB interface
13. DC 6V interface
14. Battery Box

OFF - Power off
Test - The screen lights up, set menu, parameters, mode, etc.
ON - Wait 5 seconds, after the screen goes off, the camera enters infrared sensor mode
Menu - After the screen lights up, press the MENU, Setting the functions and parameters of the camera.
Shot - SHOT Take photo/video manually
Mode - MODE Manually switch between photo/video/Replay modes
OK - Confirm button

Camera use warm tips

1. Please format the SD card before use.
2. We recommend full charge of the camera by Type C cable, and install 8 x 1.5V AA alkaline batteries for long stand by time.
3.Fix the camera at a height of 1-2 meters and keep the camera lens at 45 degrees to the target position to get the best shooting angle.
4. In order not to affect the shooting effect of the camera, please remove the protective film on the camera PIR.
5. The camera will turn off automatically when the switch is placed in the setting position for 3 minutes without operation.

Preparation before use

There are 3 ways to connect the camera to the power supply

1. Solar Panel with 5200mhA battery, supports charge by sun light as well as type C cable.

2. Install 8 X 1.5V AA batteries (note the positive and negative poles)

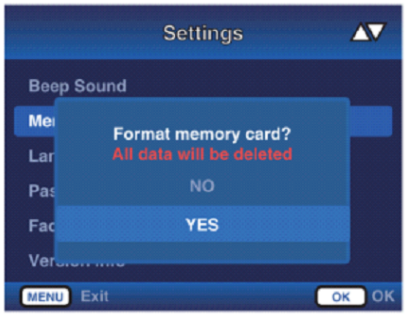
Note: The camera will not use AA batteries until the Solar panel battery is exhausted.

3. Use the 6V cable in the camera (since there is no built-in battery, the camera will turn off when unplugged)

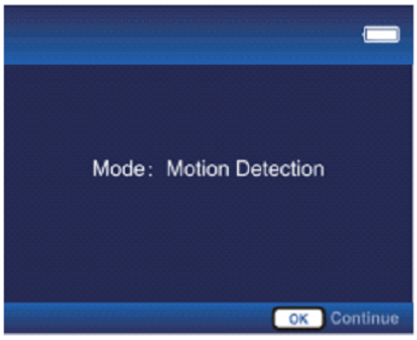
Quick steps to used

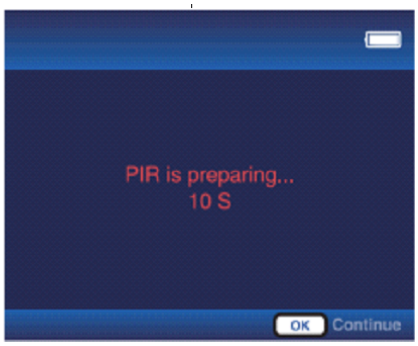
Step 1. Switch to TEST position, wait for the screen to light up.

Step 2. Press the MENU button to enter the camera settings: Mode, Photo Pixel, Video Resolution.
Step 3. Press YES to select Memory Card Format to format the SD card.



Step 4. Turn the switch on and the camera enters motion detection mode. Wait for 10 seconds, the screen goes off and the camera starts working. If the camera detects an object moving, it will take photos and videos and save them on the memory card. If no object movement is detected, the camera will not record the file.





Extended operating instructions (switch moved up to SETUP position)
Press the "MENU" key to enter the menu (OK key to confirm, MENU key to return)

Mode: Motion Detection

A. By selecting this mode, the camera will only record when it senses motion, if no motion is detected, the camera will enter standby mode.
B. For example, setting the Detection Delay to 30s means that the camera will turn on the motion detection mode every 30s. You can set the time interval from 5 seconds to 1 hour.

Time-lapse normal

A. By selecting this mode, the camera will shoot directly even if the picture does not move, similar to the video recording function of a cell phone. Each video will be saved separately.
B. For example, if the capture interval is set to 5 minutes and the video length is set to 15 seconds, the camera will capture 15 seconds of video every 5 minutes.

Time-lapse video

A. Select this mode; the camera will record directly even if the picture is not moving. Multiple photos taken by the camera at intervals are automatically turned into videos. Record up to 360 photos per time-lapse video. If a time-lapse video does not reach 360 photos, the second recording will still be recorded in the previous file.
B. The following 3 cases will not be saved in the previous file:
    - Switching the video resolution
    - Switching from Time-lapse video mode to other modes
    - 360 photos have been recorded
C. For example, if the Capture Interval is set to 10 minutes, the camera will take a picture every 10 minutes, and the working time is set to 5:00-7:00. The pictures taken within these two hours will be automatically combined into a video.

Work Time: Off, ON
When turned ON, you can customize the camera's working time. For example, set to 22:00-07:00 when the switch is moved to the "ON" position, the camera will start working at 22:00 and end at 07:00.

Photo or Video: Photo, Video, Photo & Video
Select the file mode captured by the camera.

Photo resolution: 2M,4M,8M,16M,20M,24M,32M, 36M, 42M, 48M, 60M
Video resolution: 720P, 1080P, 2.7K, 4K, 8K
The aforementioned data varies across different models:

- 4K 60MP: PR4000 WIFI, PR5000 WIFI
- 8K 60MP: PR801W, PR802W, PR803W, PR903W

Photo Burst: 1P, 2P, 3P, 4P, 5P
Set the number of images taken by the camera
Video Length: 10 sec
Default 10s, you can set 5S-10 minutes, press up and down key to switch
Audio Recording: ON, OFF
Choose whether to record video sound when the camera is working
Detection Delay: 30s
Default 30s, you can set 5s-1 hour, up and down key to switch. This function is to set the recording interval for motion detection. After the first sensing, you need to wait 30 seconds to start the next motion sensing. You can also set it in Mode-Motion Detection.
PIR Sensitivity: Low, Middle, High
You can set the sensitivity according to the shooting distance. Low: short sensing distance (3-4meters), Medium: moderate sensing distance (7-8 meters), High: long sensing distance (12-15meters)
Motion Test

A. This function is used to test if the PIR function is normal.
B. For example, if you move in front of the lens, if the PIR trigger number increases, the function is normal. If the movement is obvious, but the PIR trigger number does not change, you need to adjust the PIR Sensitivity

Fill Light Distance: Near, Middle, Far

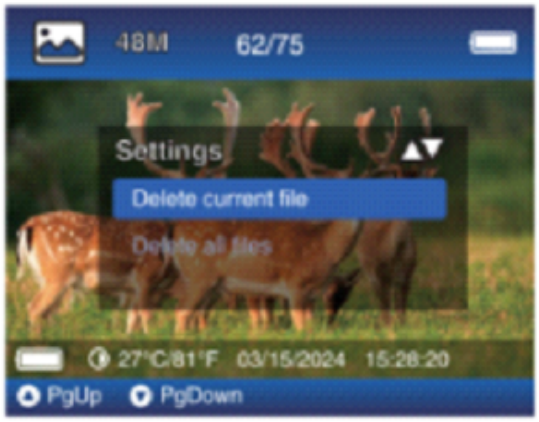
A. This function is used for the fill light effect when the camera is working at night. Adjusting the distance of the fill light can improve the reflection situation when shooting at night.
B. Low: close distance (3-4 meters), Medium: moderate distance (7-8 meters), High far distance (12-15 meters).

Camera Name: ON, OFF
Select "ON", you can set a number or letter as the name of the camera, which will be displayed at the bottom right of the photos or videos you take.

Date & Time: Setting the camera's time
The time can be set manually or sync through the App.
Date Format: D/M/Y, MD/Y, Y/M/D
You can set the camera's date format according to your habits.
Time Format: 24H/12H
Loop Record: ON, OFF
Select “ON”, when the SD card is full, the new file will overwrite the previous one. Select “OFF”, the camera will stop recording when the SD card is full.
Memory Card Format:
Select Format and all files on the SD card will be deleted.
Language:
English/Deutsch/Français/Español/Nederland/Italiano/Polski/简体中文/한국어/日本語 /Русский язык
Password Protection: Off, ON
You can set a 4-digit camera password. If you forget your password, please follow the steps below: press and hold the “ ∧ ” key + “OK" key at the same time, and then turn the switch to the SETUP position.
Factory Reset: Select 'Yes’ to restore the camera to its factory settings.
Version Info: Viewing the camera's version.

Press "REPLAY" key to enter the REPLAY (REPLAY key to return)

1. Up and down keys to switch pictures or videos, OK key to play and pause the video.
2. "MENU" key to choose to delete the current file or all files. Press "MENU" again to cancel.



3. Video captured in Time-lapse video mode, default 1x speed playback, press ">" key to switch to 2x or 4x speed.

APP Connection

1. **Download TrailCam Go Mobile APP.**

Download on the App Store GET IT ON Google Play

You can download the app from the app store by scanning the following QR code.

(Android) (IOS)

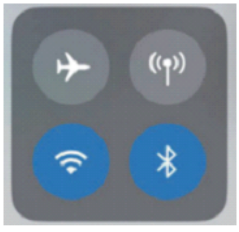
Remarks:

1. The screenshots provided in this section are for reference only. The actual interface and layout may vary between versions of the app for both iOS and Android.
2. When using the TrailCam Go app (the App for short), the App must be granted permission to access certain permissions on the device. These permissions include Wi-Fi, Bluetooth, storage, location, and camera access. Enabling these permissions is essential to using the App for the ability to take photos and record videos.
3. For iOS users on iOS 14 and later, local network permissions must also be enabled to ensure seamless operation of the App. This will help keep you connected and ensure the App runs properly.

2. Enable Wi-Fi and Bluetooth

Enabling both Wi-Fi and Bluetooth on your mobile phone before launching the App is a mandatory step. This action is crucial for optimizing the connection speed between the App and the camera.

Enable WIFI and Bluetooth

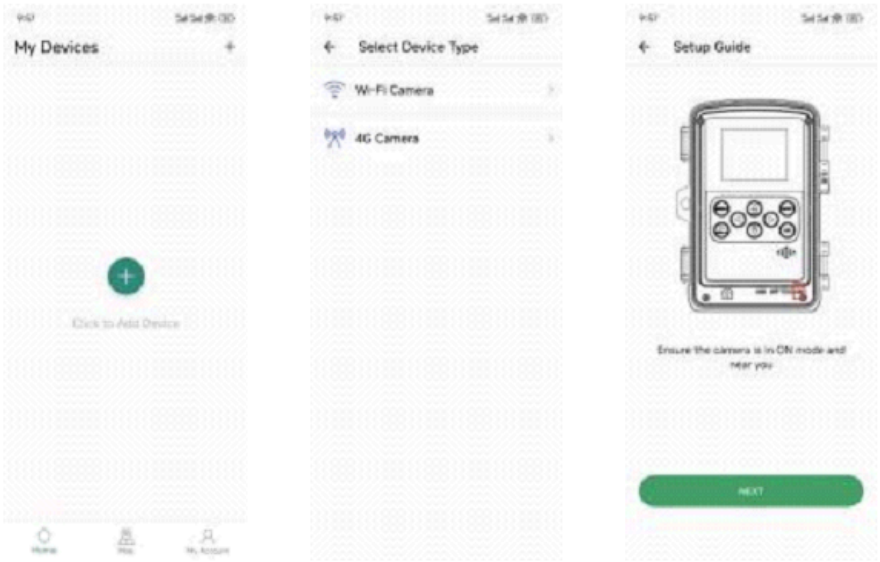


3. Adding a Camera

To establish a stable connection, it is advisable to stay as close to the camera as possible. Additionally, it is better to avoid having too many electrical products surrounding you.

4. Choose Device Type

Please tap Wi-Fi Camera



5. Searching for Cameras and Links

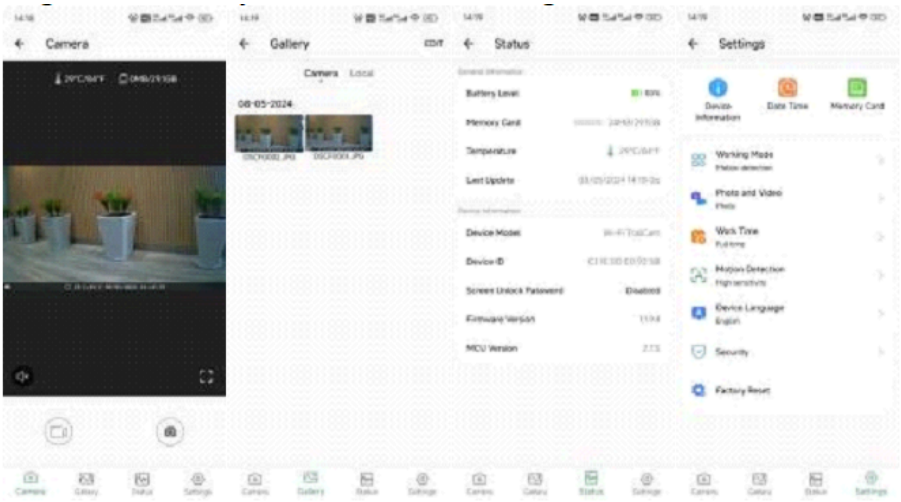
By default, the App automatically searches for all Wi-Fi tracking cameras in the vicinity, making sure your camera is within Wi-Fi range. If no device is shown in the list, to return to the previous menu, click the "X" button. To refresh the list, click the Next button again Click on the device you want to add. The application begins to connect to the camera. It may take up to 30 seconds to establish Bluetooth and Wi-Fi connections between the application and the camera.

The system will pop up a message to click "Join" to allow the Wi-Fi connection. In the camera, TrailCam is the fixed prefix and XXXX is the internal camera identifier, which may be different for different cameras.

Note: On Android devices, there may be different system pop-up messages asking to allow the App to connect to the camera, as different phone manufacturers may modify and customize this system message.

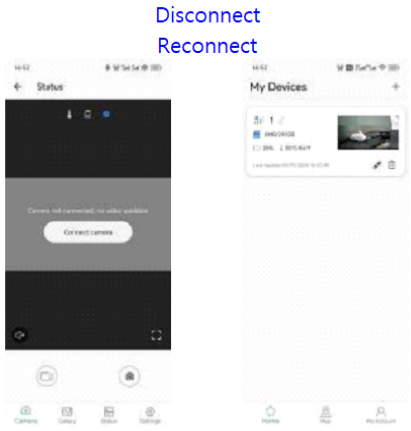
6. **App Navigation**

- Tap on "Camera" to have a live view of what's in front of the camera once it's connected, or manually capture and record videos to save them locally on your device (specifically, on your phone).
- After connecting to the camera, click "Gallery" to view the photos and videos in your camera, you can download to your phone’s album.
- Based on the connected camera, click "Status" to view information such as battery life, SD card capacity, camera internal temperature, and camera mode.
- After connecting the camera, click "Settings" to modify some basic settings of the camera, and it will sync to your camera automatically.



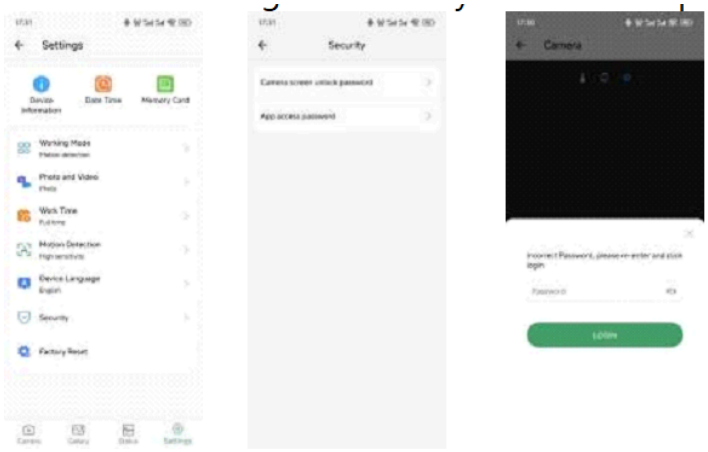
7. **Disconnect and Reconnect**

If your camera is currently connected to your Apps, you will not be able to perform any settings on it. Furthermore, your phone will not be able to browse the internet. You can disconnect the camera by solving this. To reconnect your camera with the App, please visit the “Camera” section within your App and tap on “connect camera.”



8. **APP Password**

On the TrailCam Go app, you can configure a 4-digit pass code for both the camera and the app (note, a new phone connection is required). In the app, go to Camera > Settings > Security to set this up.



9. **Account Registration**

In order to enhance the security of machine-captured and recorded content, it is recommended that you register an account after binding the device to the APP.

Power cord functions

1. USB Cable, used to connect the camera to a computer to view information on SD card files, no charging capability.
2. DC 6V Cable, it is possible to power the camera without a battery, and since the camera does not have a built-in battery, the camera will turn off after unplugging the 6V cable.

Sensing angle and distance test

To perform the sensing angle and monitoring distance of the camera test:

1. (MENU) Toggle the power switch to TEST.
2. Make movements in front of the camera at several positions within the area where you expect the object will be. Try different distances.
3. If the red indicator LED light blinks, it indicates that position can be sensed. If it does not blink, that position is outside of the sensing area. The results of your testing will help you find the best placement when mounting the camera.

Mounting camera

1. When setting up the camera for scouting games or other outdoor applications, you must be sure to mount it in place correctly and securely. We recommend mounting the camera on a relatively straight tree with a diameter of more than 15cm (6 in.), make sure the tree is large enough to not sway in the wind as this can cause a false trigger. Position your camera facing north or south. If you position your camera aiming east or west your camera tends to have a greater frequency of false triggers due to the rising or setting sun passing through the frame.
2. To get the optimal photo quality, the tree should be about 5 meters (16-17 ft.) away from the place to be monitored, with the camera placed at a height of 0.75 -1m (2.5 -3.5ft.). Attaching your camera too low can result in getting too many pictures of small non-targeted creatures. Placing your camera too high and facing downward can cause the camera to pick up shadows and the changes in ground temperature.
3. Also, keep in mind that you will get the best results at night when the subject is within the ideal range, no farther than 30m(98ft.); and no closer than 3m(10ft.) from the camera.
4. To enhance the flash, we recommend positioning the camera in an area with a backdrop to reflect the maximum amount of light.
5. Clear all vegetation from in front of the camera. Any small limbs, twigs, leaves, or grass blowing in the wind can trigger a false image.
6. Test the camera. After following the steps above to ensure it is not something environmentally driven or a result of the settings, please follow step:
   Take your camera and place it facing a blank wall on a sturdy surface.

Troubleshooting

Can’t connect to the home Wi-Fi router?

- The Wi-Fi trail camera can only be connected with your phone by the App TrailCam Go. It is not intended for surfing the internet via WIFI. Rather, it is designed to conveniently read photos or videos and set up cameras.

Camera not found on App or not connected?

- Get as close to the camera as possible (within 45ft due to the limitation of Bluetooth technology).
- Away from where there are numerous electronic products.
- The camera is turned on (Test or On).
- Make sure the camera battery level is good.
- Both Bluetooth and Wi-Fi on your phone are enabled.

Why did the camera stop connecting after it was just connected?

- Left the App over 2 minutes.
- Visiting other apps requires cellular connection or clicking the "Map" option on the camera. In reality, when your phone remains within the app and is connected to the camera, it signifies that there is no available cellular data connection. By tapping on the “Map”, you are essentially instructing your phone to disconnect from the Wi-Fi signal and switch to the cellular network.

Can not take photos or videos?

- No TF card in the card slot.
- Corrupt TF card.
- Batteries power is too low to power up camera.

The photo is too dark at night.

- The illumination parameter is not set correctly. Please refer to camera flash range settings.
- Lack of reflective background at night: We recommend localizing the camera in an area with a backdrop to reflect the maximum amount of light. For instance, place the camera 8-12m(20-30ft.) from a field edge facing the woods.
- Low battery power.

The camera shut down automatically in TEST

- The camera is set to shut down the power automatically when there is no operation over 3 minutes in TEST mode. The purpose is to prevent battery run out cameras

Camera Led light area appears water mist?

- Our cameras are hunting cameras with waterproof functions. Actually, it is due to the condensation inside the lens caused by the temperature difference between inside and outside. All you need to do is leave the camera in a dry place for 1-2 days.

How do I change the language of the camera back to English?

- Adjust the camera’s on/off key to the middle setting mode, select Menu, and the fourth to last button of the menu can change the language.

Apple computers cannot read video files.

- Video file type is AVI, may not be compatible, suggest changing video player.

Three ways to get an image

- When the camera finishes taking pictures or videos, the pictures or videos will be stored in the camera's SD card (the SD card is inserted in the lower left side of the camera), at this time, you can use two methods to export the pictures from the camera.
    1. Check photos on TrailCam Go App.
    2. Without removing the SD card, connect the camera with the computer using the cable, then the computer will pop up the USB flash drive device, and then you can check the photos and videos stored in the camera from the USB flash drive shown in the display.
    3. Insert the SD card into the card reader, and plug the card reader into the computer interface, at which time the computer will pop up the USB flash drive device to view the photos and videos stored in the camera.

No photos were taken in motion detection

Step1>> You need to remove all the protective film on the camera lens, and second, you need to keep a distance of 35 meters (115 ft).
Next, click on the menu, then select “Mode"-"Motion Detection”, choose the detection delay time and set it fora few seconds. Then traces of animal movement will be recognized within a few seconds. Then click "OK"
Step2>> Select "Work Time”, then select "Open", then set the time you want the camera to start working.
Step3>> Select "PIR Sensitivity”, the higher the sensitivity, the more sensitive and faster the recognition, and at the same time, the more power consumption.
Step4>> Select "Detection Delay" to set the frequency of taking photos. Take photos every few seconds or hours.
Step5>> In "Motion Test", move your hand or a person or an animal to see if any motion is detected, if so, you can start taking photos.
Step6>> Press the button to "ON", it will prompt that the current mode is "Motion Test", if you want to continue, click "OK" to start shooting automatically. If you want to continue, click "OK" to start auto shooting.