



# User Manual

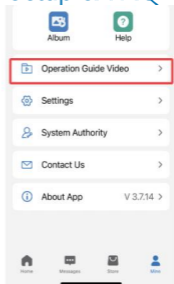
WIFI Backup Camera with Magnetic Bracket  
and Built-in Rechargeable Battery

Please read this manual thoroughly before operating  
the device, and keep it for future reference.

V1.4

# Video Tutorials

Scan QR code for Setup & FAQ



Note: Can't scan the QR code? Go to [inseecam.net](https://inseecam.net) → [Support](#) for videos, or check [Operation Guide Video](#) on the [Mine](#) page or the Video section on the Home screen.

Thank you for your purchase!  
Any problem please send us messages!

**Email: [support@inseecam.net](mailto:support@inseecam.net)**

**WhatsApp: +86 13318775092**

## Contents

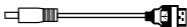
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1. Packing List.....	01
2. Overview of WIFI Backup Camera.....	01
2-1. Sleep Mode.....	02
3. How to Install and Use the Camera.....	04
3-1. Charge and turn on the camera.....	04
3-2. Install and adjust the camera.....	04
3-3. Download and install the App.....	05
3-4. Connect to the Camera.....	06
3-5. Grant Necessary App Permissions .....	07
4. Operation Instructions.....	08
5. Firmware Update.....	11
6. Features and Specifications.....	11
7. Troubleshooting.....	13
8. FCC Warning.....	18
9. IC Warning .....	19

## 1. Packing list



WiFi Backup camera

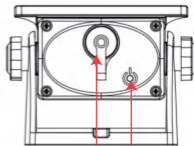
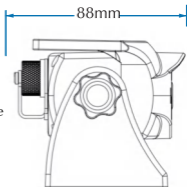
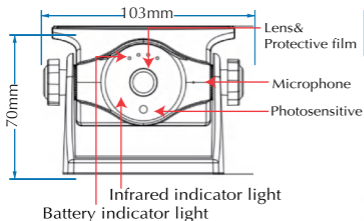


USB charging cable



User Manual

## 2. Overview of WIFI Backup Camera



### ● Power / Reset button

Press and hold for at least 2 seconds to turn it on.  
Press and hold for at least 2 seconds to turn it off.  
Press it for four times to reset the camera.

### ● Infrared indicator light

Four infrared indicator lights will be on in the darkness.

### ● Battery indicator light

When camera's fully charged, four lights are all on. When the battery is less than 25%, it is recommended to use it less or charge it in time. If the camera runs out of power, you need to use a USB charging cable to recharge it.

### Show Battery Status

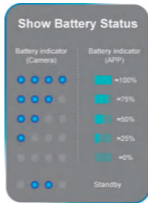
●●●●	≈ 100%
●●●●	≈ 75%
●●●●	≈ 50%
●●●●	≈ 25%
●●●●	≈ 0%
●●●●	Standby

## 2-1. Sleep Mode

When exiting the INSEECam app screen, the WiFi backup camera automatically enters low-power mode. It instantly reactivates when the INSEECam app is reopened, No manual shutdown required —eliminating the hassle of unplugging the camera. If the device will not be used for an extended period, we recommend turning it off manually to conserve battery power.

### Sleep Mode Indicator

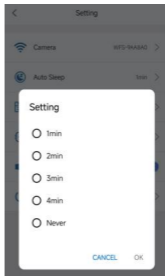
When the device enters sleep mode, the two center LED lights will blink intermittently. This indicates that the camera is in standby and conserving power while remaining ready for quick activation.



### 2-1-2. Sleep Timer Setting

You can configure the sleep timer in the Auto Sleep section of the Settings menu in the INSEECam app. We recommend setting it to 1 minute or 2 minutes for optimal power saving.

**Please note: the longer the sleep delay, the more battery power is consumed.**



## 2-1-2. Two Easy Ways to Wake Up

(1) **Button Wake:** Gently press the button on the back of the camera to wake it up



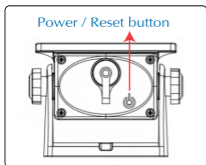
### (2) **APP Wake(Recommend!):**

Just tap into the live view on the app to instantly wake it up and resume monitoring (Notes: Sleep time can be set via the app: 1min, 2min, 3min, 4min, or never)



## 3. How to install and use the camera

### 3-1. Charge and turn on the camera



Before first use, please charge the camera with a USB power adapter for at least 4.5 hours.

Press and hold the power button for at least 2 seconds on the back of the camera to turn on the camera.

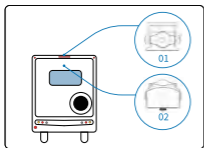
This camera has two charging methods. One is charged by USB power supply. The other is charged by solar panel. With the solar panel, this wifi camera will continuously be charged.

#### Two Charging Methods

- 1) USB Charging
- 2) Solar Charging



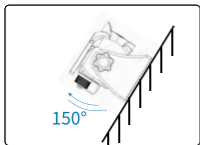
### 3-2. Install and adjust the camera



Determine the installation position

The surface should be iron, cobalt, or nickel.

Attach it to the top (01 as shown in the picture) or to the vehicle's body (02 as shown in the picture).



### Adjust the angle

Loosen the torx screws on both sides. The max angle is 150°. Then tighten the torx screws. Finally, tear off the lens protective film.



### Works on Non-Metallic Surfaces

If you are using this product on a non-metallic surface (such as plastic, fiberglass, or wood), we recommend using our metal mounting plate for better magnetic attachment. You can search "[Metal Mounting Plate for Magnetic Wireless Backup Camera](#)" in our Amazon store to purchase.

## 3-3. Download and install the app

Scan the QR code below, download and install INSEECam App. Or search for "INSEECam" (case-insensitive) in Google Play and APP Store.

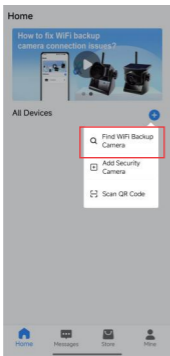


Note: If you can't download the APP through QR code, please search for "INSEECam" in Google Play or APP store!

### 3-4. Connect to the camera

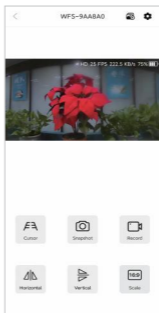
Note: This WiFi backup camera connects to your phone app through its own built-in WiFi hotspot, not your home WiFi network. As a result, it can be used on most vehicles and in areas without a WiFi connection.

- (1) Open the INSEECam app, tap the “+” icon, then select “Find WiFi Backup Camera.” You’ll see a camera named “WFS-XXXXXX” on the app’s homepage — tap to connect.
- (2) Follow the prompt and Tap “OK” .



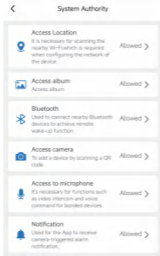
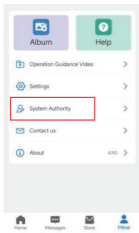
(3) Connect to the WiFi of the camera manually in settings. **Select the WiFi named by "WFS-XXXXXX". The default password is empty.**

(4) After successful connection, it will automatically turn to the interface of the real-time video.



### 3-5. Grant Necessary App Permissions

The INSEECam app requires certain permissions to function properly. Ensure that permissions for photos, network access, microphone, and other permissions are granted in your phone's settings.

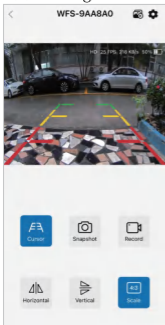


**Permission Reminder:**  
We strictly follow privacy policies. Any collected information is only used for app functions and will never be shared. The “WLAN and Cellular Data” permissions are for connecting the camera to the app and won't use your mobile data.

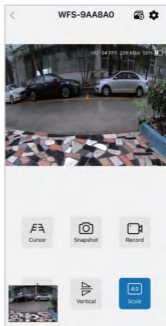
## 4. Operation Instructions

After connecting to the camera in the App, you can view the real-time video, take screenshots, record videos, choose the screen flip, change the scale, configure the device parameters, and update the camera.

### (1) Parking line



### (2) Screenshot



Note: Long press the circle and drag to adjust the reverse line



Record

(3) Video recording: Start or stop video recording manually.



Horizontal

(4) Horizontal flip: Flip the image horizontally (mirror effect).



Vertical

(5) Vertical flip: Flip the image vertically (upside down).



Scale

(6) Aspect ratio: Adjust the video display ratio (e.g. 16:9).



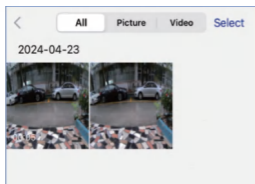
(7) Full screen: Switch between full screen and windowed view.



(8) Low battery reminder: Displays the battery status or low battery warning.



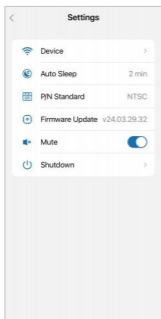
## (9) Video / Photo files



Here, you can view screenshots and recorded videos, as well as delete or download them.



## (10) Settings



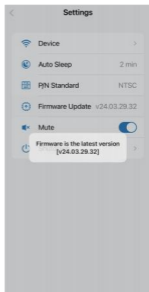
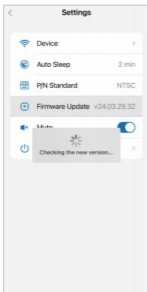
**P/N Standard:** The United States, Canada, and Japan typically use the **NTSC** standard, while countries like the United Kingdom, Germany, Australia, and South Africa typically use the **PAL** standard. When choosing between NTSC and PAL, consider the compatibility with your region.

**Shutdown:** You can turn off the camera from here. However, to turn the camera back on, you'll need to manually press the power button on the back of the camera.

## 5. Firmware Update

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After connecting to the camera in the App, tap the settings in the upper right corner of the live video interface. Tap "Firmware Update" to update the camera to the latest version.



## 6. Features and Specifications

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### 6-1. Main Features

- (1) Smart Power Saving Mode: The WiFi Backup camera enters power saving mode when you don't use it for 2 minutes. If you don't use it for a long time, it is recommended to power off the camera to avoid draining the battery.
- (2) Rechargeable Battery
- (3) Magnetic Mount
- (4) Portable and Easy Installation
- (5) Support Android and iOS System

## 6-2. Specifications

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- Battery Capacity: 3.7V/3000mAh
- Charging Voltage: DC 5~12V
- Charging Time : 4.5H
- Discharging Time: 7H(Daytime)
- Charging Temperature: 0℃ ~ +40℃
- Discharging Temperature: -20℃ ~ +60℃
- Storage Temperature: -20℃ ~ +60℃
- Waterproof Rating: IP66
- Image Device: 1/2.9" CMOS
- Effective Pixels:1920 (H) × 1080 (V)
- Transmission Distance: up to 197ft / 60m (No obstacles)
- WIFI Transmission Power: FCC: ≤26dBm; CE: ≤20dBm; MIC: ≤10dBm
- Night Vision Distance: 17ft / 5m
- Viewing Angle: 150°
- Smart IR-Cut: Support
- Battery Standby Time: 365 days (Expose to sunlight for at least 2 hours per day)
- Maximum Power of Solar Panel: 0.8W
- Maximum Charging Current: 81mAh
- Cell Efficiency: » 24.3%

## 7. Troubleshooting

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### 7-1. What should I do if my WiFi camera cannot maintain its WiFi connection status?

In general, several factors can prevent the camera from connecting. You can follow these steps to diagnose and resolve the issue:

- (1) **Check the Battery Level** – Ensure that the camera has sufficient power. Before using it for the first time, charge it for three to four hours. At least two or three indicator lights in front of the camera lens should remain on, signaling adequate battery power.
- (2) **Verify Wi-Fi Connection** – When connecting the camera, go to your phone's Wi-Fi settings and check if the camera's hotspot ("WFS xxxxxxx") appears in the available networks. If it does, confirm that the connection is successful.
- (3) **Disable VPN and Similar Software** – Make sure your phone's VPN or any similar software is turned off, as it may interfere with the connection.
- (4) **Enable App Permissions** – The INSEECam app needs several permissions to work properly. Make sure the following are turned on in your phone's settings: Location, Photos, Bluetooth, Camera, Microphone, and Notifications.
- (5) **Maintain an Optimal Distance** – Ensure the camera is within a suitable range of your phone. Typically, this type of Wi-Fi camera works best for vehicles under 30 feet in length. However, the actual transmission distance may vary depending on the vehicle model and environmental factors.
- (6) **Reduce Wireless Interference** – Other active wireless devices in your vehicle, such as Bluetooth or WiFi equipment, may interfere with the camera's connection. Try turning off nearby wireless devices temporarily to see if the connection improves.

If you have checked all five aspects and found no issues, but the camera still won't connect, please take a photo or video of the problem and send it to us (support@insecam.net ). This will help us diagnose and resolve the issue more quickly. Thank you!

## 7-2. Why Can't the Camera Stay Charged?

- (1) First, check the cable and DC connector. Make sure the DC connector is working properly and the charging cable is not loose or poorly connected.
- (2) Ensure that the adapter's output power is 5V/2A or 12V/1.5A.
- (3) For cameras with a solar panel, sufficient sunlight is required for normal charging. Cloudy weather, shading, or an improper installation angle may result in low solar panel voltage, making it unable to charge the camera properly.
- (4) If the camera's battery has completely drained and caused it to shut down, it cannot be directly charged and powered on by the solar panel alone. In this case, you must use a USB cable to charge it for 4 hours first. After turning it back on, you can resume charging with the solar panel.
- (5) The camera comes with a built-in 3000mAh rechargeable battery, which can typically support up to 7 hours of continuous use during daytime.

If the camera operates continuously for long periods, the power consumption may exceed the charging speed, causing the battery level to keep dropping. To improve battery life, we recommend using the camera's power-saving mode and setting the auto sleep time to 1–2 minutes, which will help reduce power consumption.

## 7-3. Why the screen suddenly goes black when I check the video?

- (1) Firstly, check if the camera has power. If the camera runs out of power, charge it in time before using it.
- (2) If the camera has power, reconnect to the camera by disconnecting the WiFi, and connecting to it again.
- (3) If it still doesn't work, reset the camera referring to page 01 of this user manual.
- (4) If all the methods above fail, please contact us.

#### 7-4. What should I do when the camera cannot be connected to?

- (1) Firstly, make sure that the camera is turned on.
- (2) Make sure the camera has sufficient power.
- (3) Check phone settings, refresh the WLAN, connect to the WiFi named by "WFS-xxxxxx".
- (4) If there is no correct WiFi in the WLAN, make sure your location permission is granted. Then you will find the camera's WiFi.
- (5) If the above methods fail, reset the camera referring to page 01 of this user manual.
- (6) If something still goes wrong, please contact us.

#### 7-5. How to wake up the camera in sleep state?

Open the APP and tap the camera on the camera list interface. If you can't find your camera, continue the following steps.

- (1) Check the phone settings, find and connect to the camera's WiFi named by "WFS-xxxxxx".
- (2) Tap the camera on the camera list interface again and it will automatically turn to the real-time video interface.

#### 7-6. Can I connect the camera to multiple phones?

No. Only one mobile phone can be connected to one camera. If you need to connect to the camera in a different phone. You should disconnect the original phone and then connect to the new phone.

#### 7-7. What phone permission does the App need?

It includes location permission, photo album permission, network permission, microphone permission, etc. Make sure the permissions above are offered for better experience.

7-8. How is the wireless connection signal of this magnetic WiFi rearview camera?

This camera has an unobstructed WiFi signal coverage of up to 197 feet/60 meters, perfect for vehicles less than 30 feet in length (WiFi range depends on vehicle type and environment).

7-9. What is the low-power function, and what are its benefits?

The low power function is designed for energy efficiency. When the "INSEECam" app is not in use, the camera will automatically enter sleep mode, conserving power and reducing the need for frequent charging.

7-10. Is a WiFi network required? Can I view the WiFi backup camera in portrait mode on my phone?

This camera does not require a home WiFi network; it runs through its own device's WiFi hotspot, which can be accessed from a cell phone. The INSEECam app supports both portrait and landscape viewing.

7-11. Does INSEECam APP need to register an account to use?

INSEECam app connects to this camera as outlined in the manual, directly through hotspot connection, without requiring any account registration. Account registration is only required when connecting to a home security camera.

7-12. Why can't I find the recorded videos and the photos?

Regarding the inability to find recorded files, please note that our camera only supports manual recording. During the recording process, please ensure that your mobile device remains active, and the app remains open without screen timeout or exiting the app. Recorded files can be located in the "Mine-Album" section of the app.

7-13. Why is this product advertised as 1080P, but the exported video is 720P?

The camera is indeed equipped with a 1080p sensor, ensuring high-definition image quality. However, due to limitations in wireless technology, the camera's wireless transmission may restrict the video resolution to 720p to maintain a stable signal. Rest assured, despite the wireless transmission limitation, the camera itself maintains the 1080p resolution capability.

7-14. Why can't I stick the camera to the car?

The camera's magnetic base is designed to mount quickly on iron, cobalt, or nickel surfaces, allowing flexible installation. If your desired mounting area doesn't have a compatible surface, you may need to install a metal plate yourself.

You can search "[Metal Mounting Plate for Magnetic Wireless Backup Camera](#)" in our Amazon store to purchase one.

7-15. Why can't I find AP hotspot on my phone?

Regarding the connectivity issues, first, please ensure that the camera has power. It's possible that environmental factors such as obstacles or distance may be affecting the connection. We recommend ensuring that there are minimal obstructions and that the camera is within a reasonable range for a stable connection. Additionally, please check if your mobile device automatically disconnects from WiFi networks, as this could also contribute to the problem.

## 8. FCC warning

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This equipment 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 1: This equipment has been tested 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, it 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.
- This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE 2: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 9. IC warning

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This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Attention:

1.To protect the battery from damage on its performance, please charge it to 75% full before being stored for a long period of time, and charge it again to 75% full within 180 days afterwards.

2.When charging the battery having been stored for a long period of time, the current might be relatively low at first, but will become normal after a while.

Thank you for your purchase!

Any problem please send us messages!

**Support Email: [support@insecam.net](mailto:support@insecam.net)**

**WhatsApp: +86 13318775092**

