



INSEECam



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.

V1.1



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1. Packing list



WiFi Backup camera

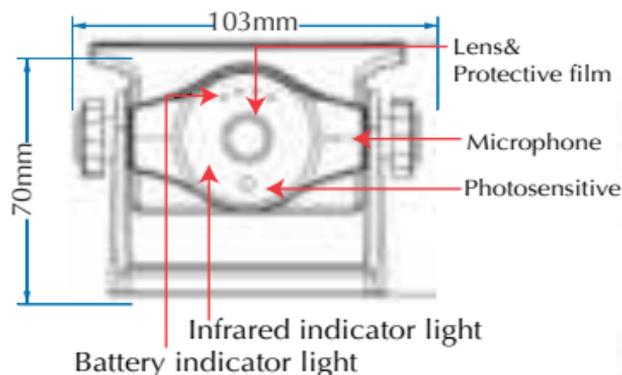


USB charging cable



User Manual

2. Overview of WIFI Backup Camera



● Power / Reset button

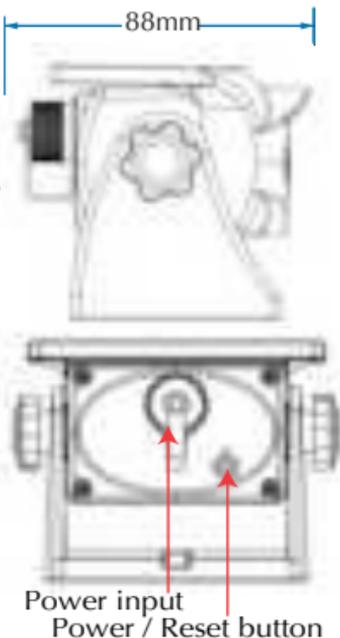
Press and hold for at least 2 seconds to turn it on.
Press and hold for at least 2 seconds to turn it off.
Press it for four times to reset the camera.

● 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. In camera's sleep state, only the two lights in the middle are on.

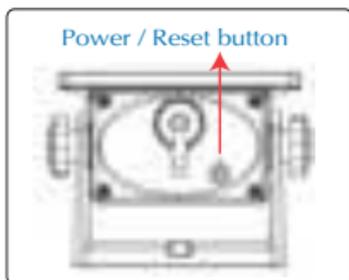


Show Battery Status

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

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.

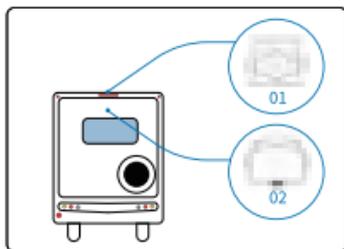
This camera has two charging methods. One is charged by USB power supply. The other is charged by solar panel.

With the solar panel, this wifi camera will continuously be charged.



Two Charging Methods

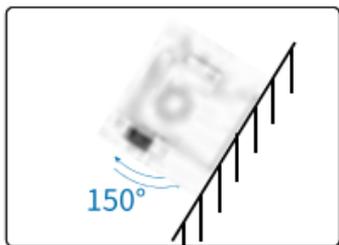
3-2. Install and adjust the camera



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.

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-Android

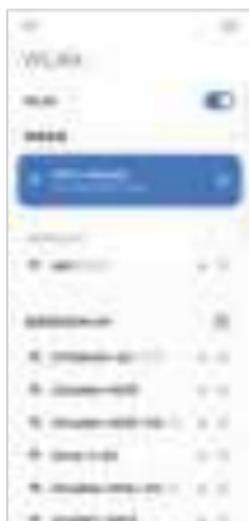
- (1) Open the app and select the camera to be connected (as shown in Picture 1).
- (2) Follow the prompt and Tap "OK" (Picture 2).
- (3) Connect to the WiFi of the camera manually in settings(Picture 3). **Select the WiFi named by "WFS-XXXXXX". The default password is empty.**
- (4) After successful connection, it will automatically turn to the interface of the real-time video(Picture 4).



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3-5. Connect to the camera-IOS

- (1) Open the app and select the camera to be connected (as shown in Picture 1).
- (2) Tap “join” and the App will automatically connect to the camera(Picture 2).
- (3) If you want to change the camera’s name and login password, tap the settings in the upper right corner of the picture 3 and tap “Device”(Picture 4).



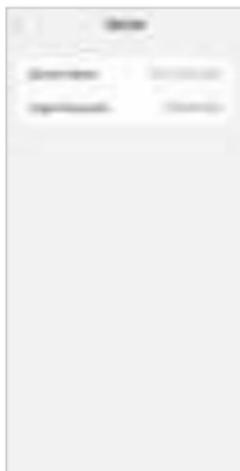
①



②



③



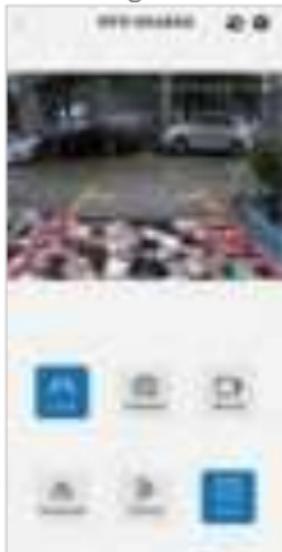
④

Note: One camera can not be connected to multiple phones simultaneously.

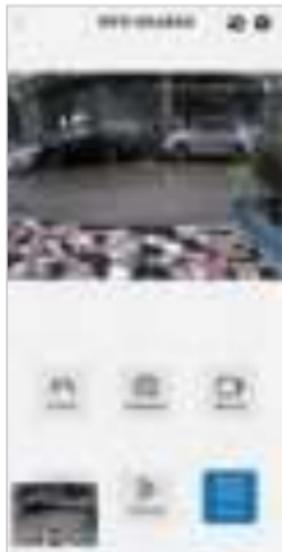
4. Operation Instructions

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.

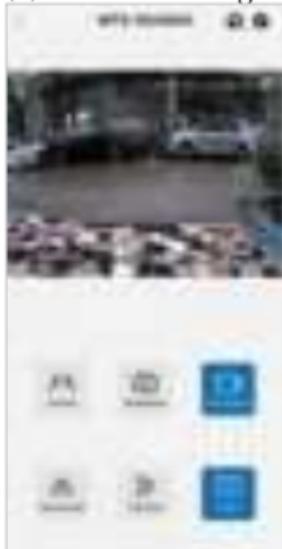
(1) Parking line



(2) Screenshot



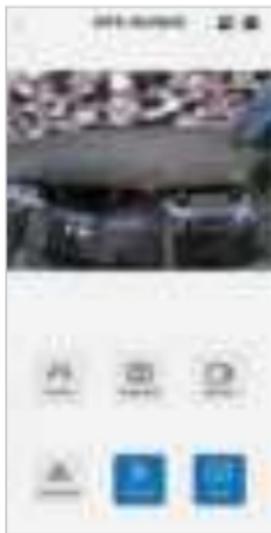
(3) Video recording



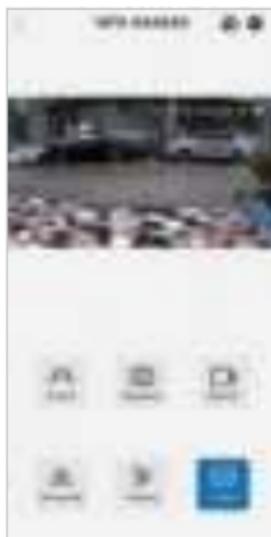
(4) Horizontal flip



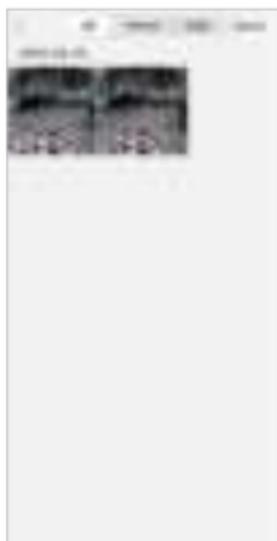
(5) Vertical flip



(6) Aspect ratio



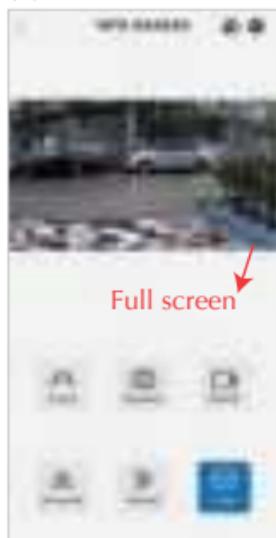
(7) Video / Photo files



(8) HD / SD



(9) Full screen



(10) Low battery reminder



(11) Settings



(12) Auto Sleep setting



(13) P/N Standard



(14) Shutdown



HD/SD: HD stands for high definition, SD stands for standard definition. When the wifi signal is poor, it is recommended to switch to SD manually, for the better real-time video.

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 tap here to remotely power off the camera, or long press the power button on the back of the camera to shut it down.

5. Update the camera

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

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

- 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

7-1. 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.

7-2. 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.

7-3. 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.

7-4. 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.

7-5. 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.

7-6. 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).

7-7. 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.

7-8. 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.

7-9. 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.

7-10. 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.

7-11. 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.

7-12. Why can't I stick the camera to the car?

The camera's magnetic base is designed to mount quickly on iron/cobalt/nickel surfaces, ensuring flexibility of installation. If the desired installation location does not have such a surface, you may need to install a metal plate yourself to facilitate mounting in another location.

7-13. 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

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

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.