



Powerology

**Dual Lens
Dash Camera**

SKU: P4KCAM108

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Caution

- 1.** Do not disassemble the machine yourself.
- 2.** Please consult a professional if modifications to the power line are necessary.
- 3.** Do not operate this product while driving to avoid distractions that could affect driving safety.
- 4.** Video Damage or Loss Can Occur in the Following Situations:
 - 4.1** During recording, removing the TF card can cause damage or loss to the last recorded file.
 - 4.2** During recording, an unexpected power outage can cause damage or loss to the last recorded file.
 - 4.3** During recording, if the device suffers from destructive collisions it can cause damage or loss to the recorded video.
 - 4.4** During recording, excessive collisions that cause the TF card to become loose can lead to damage or loss of the recorded video.

Overview

Thank you very much for purchasing our products. This product is developed specifically to address challenges in traffic accident forensics. It can also be used for various other purposes such as recording meeting, surveillance purposes, location monitoring and more, making it a multi-purpose tool. The product combines industry-leading technology, such as super night vision, seamless loop recording, super wide-angle shooting, and real-time playback with its own display. This manual explains in detail how to install operate, and understand the product parameters and precautions. Please read it carefully before use and keep it in a safe place.

Statement

Please note that this product is intended for personal use only and should not be used in a way that infringes upon national or international copyright/privacy laws. The recorded images are for personal use only and are not to be distributed publicly. In some cases, using this product to record performances, exhibitions, or commercial events may infringe on the copyright or legal rights of others.

Installation Notes

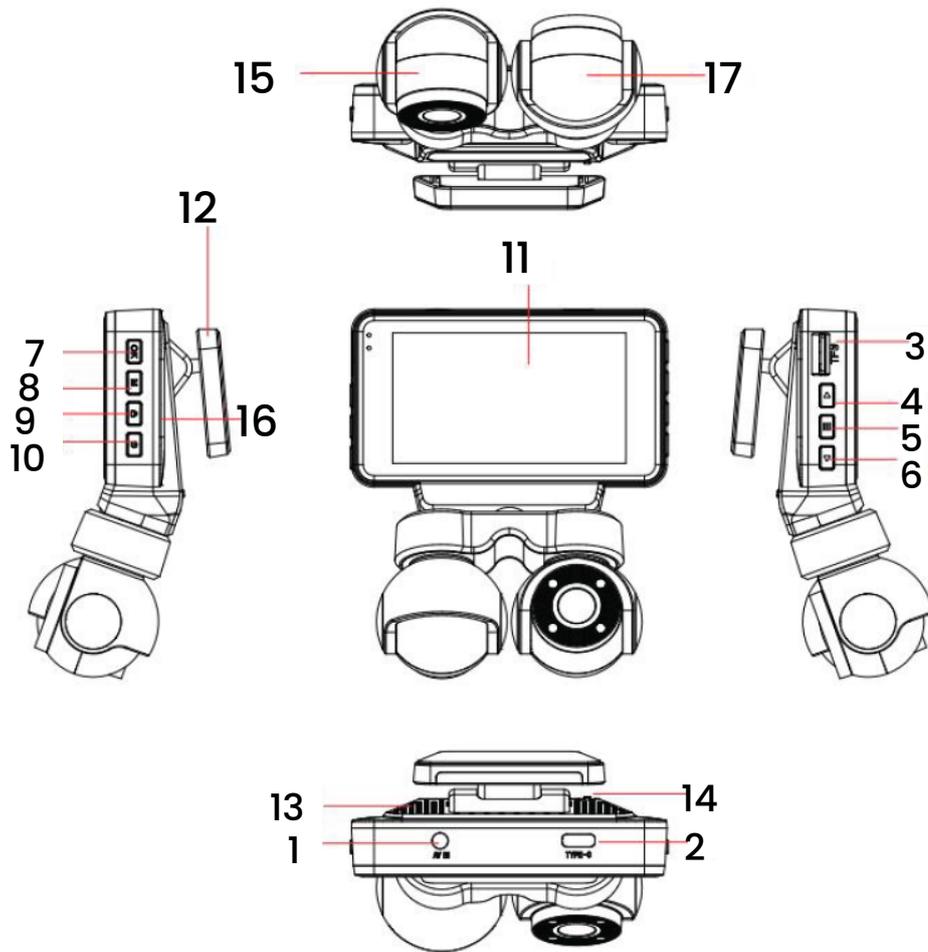
This product should be installed close to the rearview mirror for the best possible view.

1. Make sure the lens is within the windscreen wiper range to ensure good visibility, even in rainy conditions.
2. Avoid touching the lens with your fingers, as grease may remain on the lens and cause unclear video or photography. Clean the lens regularly to maintain clarity.

Package Contents

1. Dual Lens Dash Camera
2. Bracket
3. USB to Type-C Power Cord

Schematic View



| No | Part Name | Function Description |
|----|------------------|--|
| 1 | AV Interface | Rear recording lens interface |
| 2 | Type C Interface | 5V DC power supply interface |
| 3 | TF Card Slot | TF memory card slot – Please follow the correct direction for installation. |
| 4 | Up Button | In menu mode and file browsing mode, the page up function is activated. In standby mode or video mode, briefly press the key to switch between the front and back screen displays. |
| 5 | Menu Button | In standby, recording, or video modes, briefly press to directly enter playback mode. Then press again to switch between video options. Long press for 3 seconds to return to the recorder page. |
| 6 | Down Button | In menu mode and file browsing mode, the page down function is activated. In standby or video mode, briefly press the button to take a snapshot. |
| 7 | OK Button | In the recorder interface, briefly press the OK button to start or stop the recording. It also serves as the confirmation key in other function settings. |

| | | |
|----|---------------------|--|
| 8 | M Button | In standby mode, briefly press the M button to switch to the function selection interface. Press and hold to power the wifi off or on. |
| 9 | One Key Lock Button | In video mode, briefly press a key to lock and protect the video. This prevents video auto-loop coverage. |
| 10 | Power Button | Press and hold to turn the device on/off; briefly press to toggle the screen backlight in standby or video mode. |
| 11 | Display Screen | 3.0-inch HD display |
| 12 | Bracket | Mounting bracket |
| 13 | MIC | Sound recording |
| 14 | Reset Button | System restart/reset button |
| 15 | Camera | Front cam wide-angle lens |
| 16 | Horn Hole | Speaker installation position |
| 17 | In-Car Camera | Record car interior video |

TF Card Installation

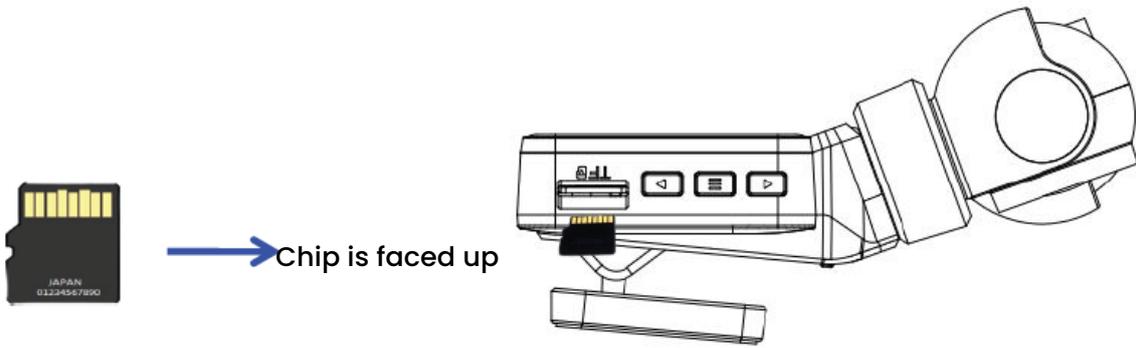
1. Insert the memory card: Insert the memory card in the correct direction, as indicated by the memory card notch on the device. Press the memory card until it clicks into place.

2. Since the recorder's video storage requires high-speed operation ensure that the memory card is a high-speed card (minimum CLASS 10, supporting at least 8GB and a maximum of 128GB).

Note: For the initial use of a new card, it must be formatted and synchronized with this device.

3. Removing the memory card: Press the memory card to eject it from the slot.

Note: When the device is powered on, avoid removing or inserting the memory card to prevent potential damage to the card or data loss.



Bracket Installation Method

Push the 3M adhesive into the host card slot in the direction shown in the diagram. After removing the red adhesive backing, attach it to the front windshield as depicted in the diagram.



Connecting to a Car Charger

1. Connect the in-car power cord to the event data recorder's Type-C interface using the factory standard charger.
2. Fix the event data recorder to the front windshield of the car with a fixed bracket.

3. Install it as close to the rearview mirror as possible.
4. Lay the car power cord along the edge of the car windshield, and plug the cigarette lighter end into the car's lighter port.

Initial Setup

A. Set the date and time

1. In standby mode, touch the icon () to enter the settings menu.
2. Click on System Settings, then swipe up to find "Time Settings."
3. Use the "up and down arrows" to adjust the numerical values; the system will automatically save after setting the date, time, and time zone.
4. Touch the "X" key to close the settings window.

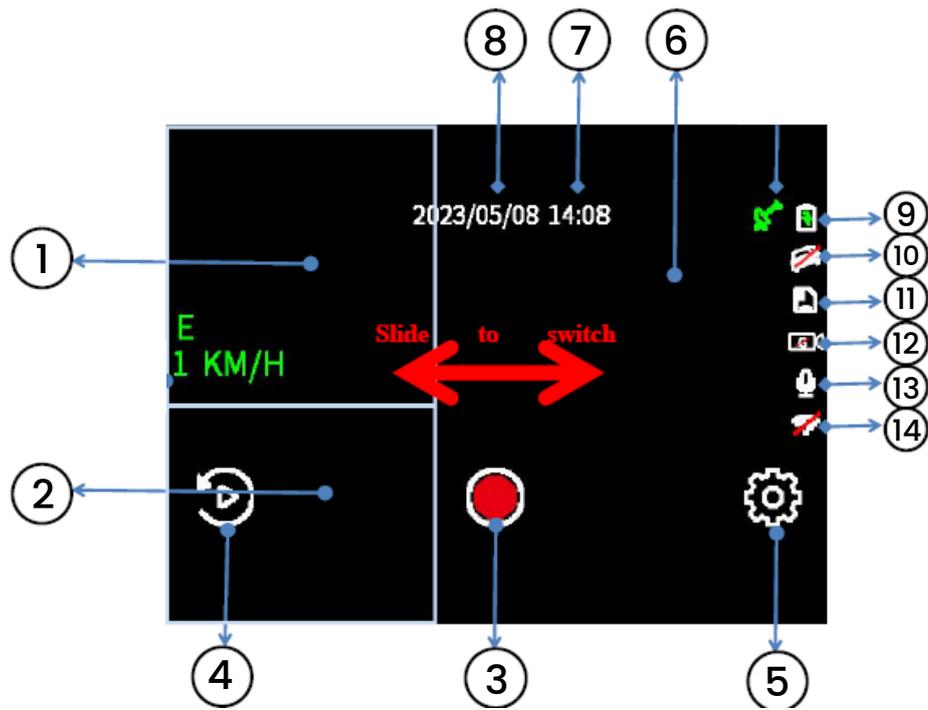
B. Format Memory Card

1. In standby mode, touch the icon () to enter the settings menu.
2. Click on System Settings, then swipe up to find "Format SD."
3. Click "Format SD," and a confirmation dialog box will pop up. Click "Confirm" to format the memory card.

Note: Before formatting the storage card, please back up any important information. This operation will erase all data on the memory card. Once cleared, the data cannot be recovered. Please proceed with caution.

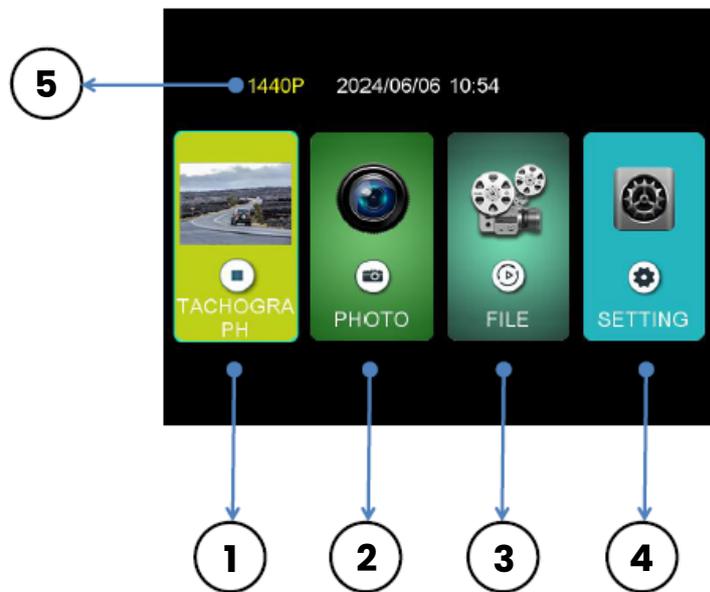
Recorder Functions and Settings

1. Recorder Interface



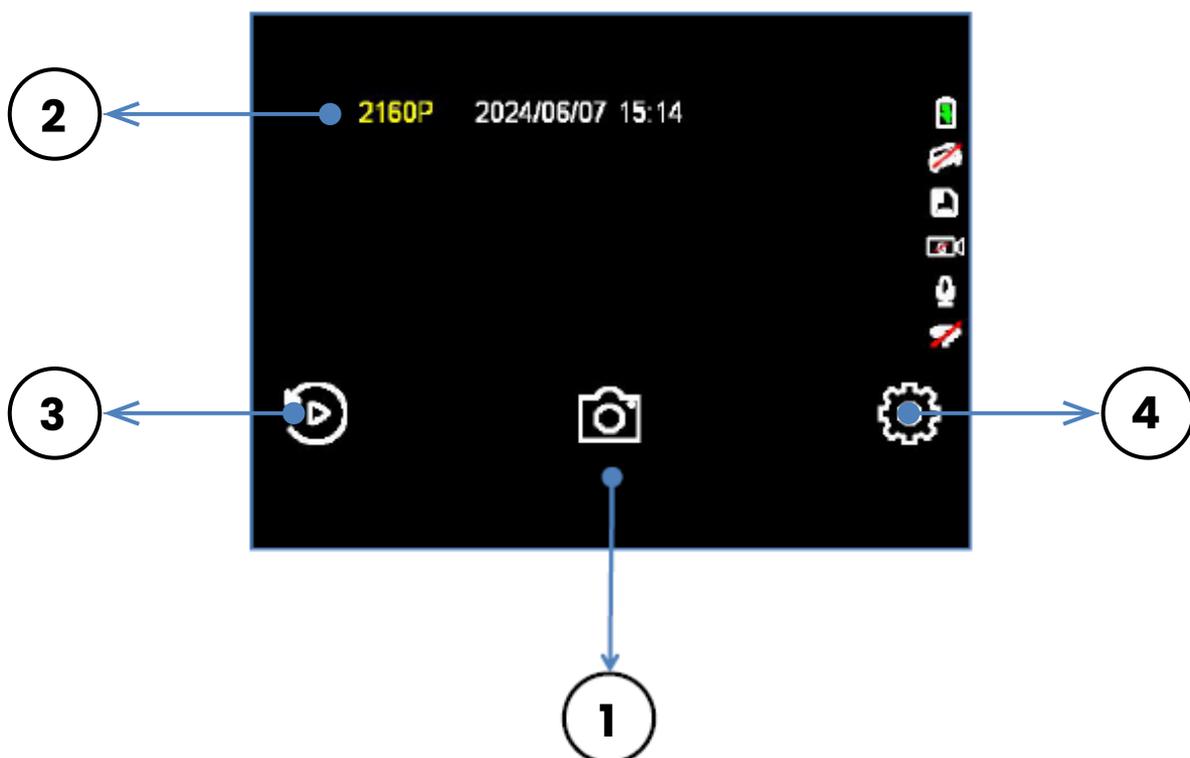
| | | | |
|---|--|----|---|
| 1 | In the car window, double-click to switch to full screen or back. | 8 | The date display indicates that the date needs to be set for the first use. |
| 2 | In the rear recording window, double-click to switch to full screen or back with 3 channels of recording available as an option. | 9 | The power icon () shows that power is connected. |
| 3 | To pause or start recording, click on the recording button. | 10 | The parking monitoring icon indicates that parking monitoring () is turned off. |
| 4 | To view the video, click to enter the video playback page and play the video. | 11 | The memory card insertion icon shows that the memory card () is functioning normally. |
| 5 | To access the settings menu, click and select photography, playback and other settings. | 12 | The collision icon indicates that a collision () has been detected. |
| 6 | In the front window, swipe to switch the display window. | 13 | The recording sound icon shows that recording sound () is enabled. |
| 7 | The time display indicates that the time needs to be set for the first use. | 14 | The WiFi icon indicates that WiFi () is turned off, and can be opened in the settings. |

2. Main Interface

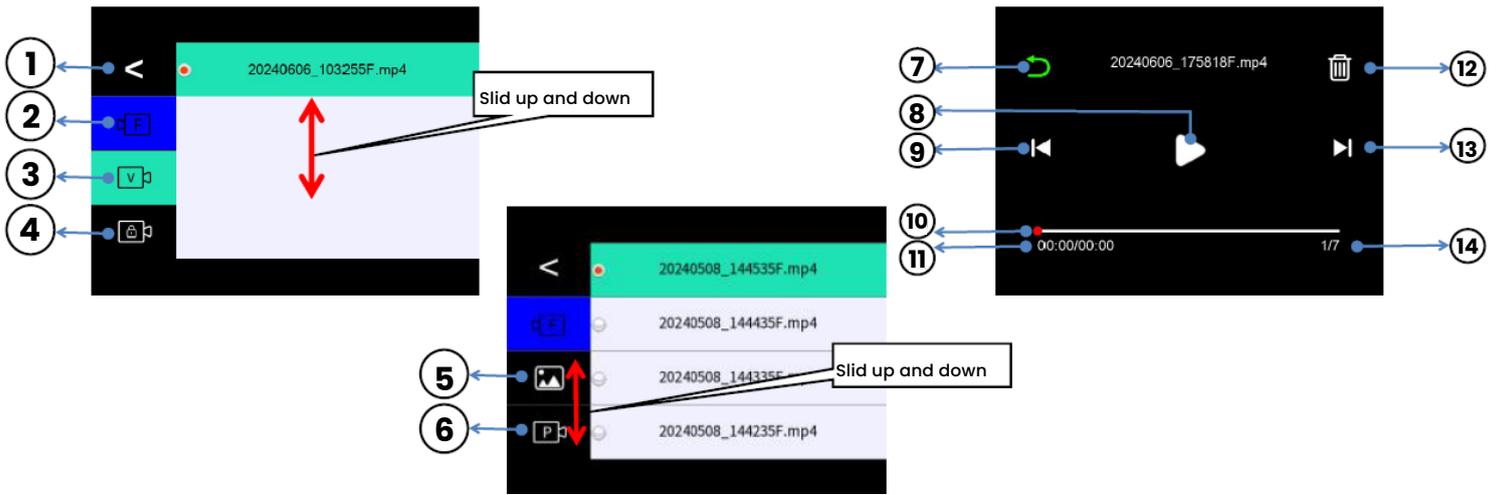


3. Photography Interface

1. To take a photo, click on the photo button.
2. The current recording resolution
3. Access the video playback interface
4. Access settings



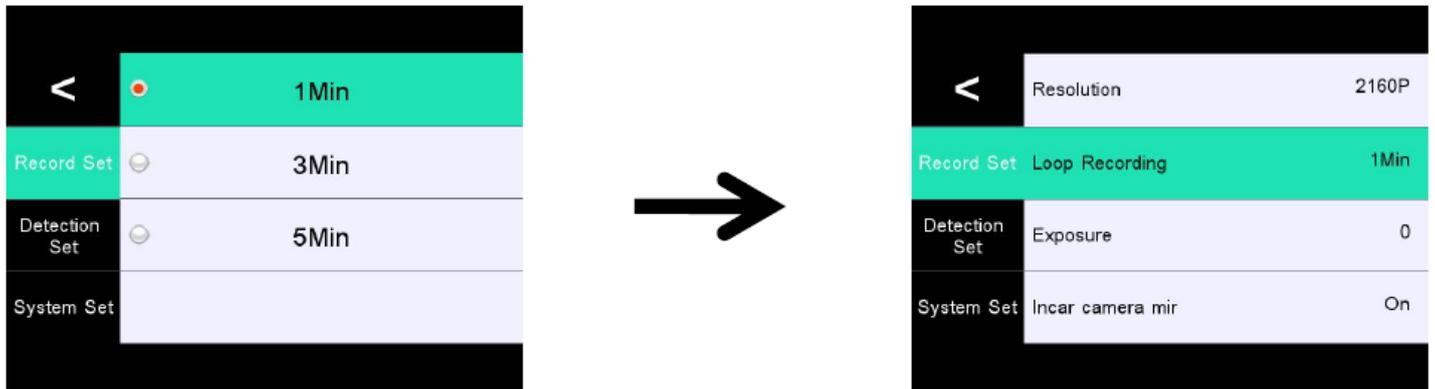
4. Playback Interface



| | | | |
|---|--|----|--|
| 1 | To return to the recorder interface click the return button. | 8 | To play or pause the current video, click the play/pause button. |
| 2 | To switch the video file, click the video switch button located under Front F/In-car M/Rear R. | 9 | To switch to the previous video, click the flip-up button. |
| 3 | To display the video file, click on the right in the video section. | 10 | The video playback progress bar displays the current video playback progress. |
| 4 | To view the locked video file, click on the right in the lock video section. | 11 | The video duration shows the total duration of the current video playback. |
| 5 | To display the photo image, click on the right in the photo section. | 12 | To delete the current video, click the delete key. |
| 6 | To view the parking monitoring video file, click on the right in the parking monitoring video section. | 13 | To switch to the next video, click the scroll-down key. |
| 7 | To return to the higher-level menu, click the return key. | 14 | The number of videos will display as "1/XXX," indicating the current video number out of the total number of videos on the card. |

5. Record Settings

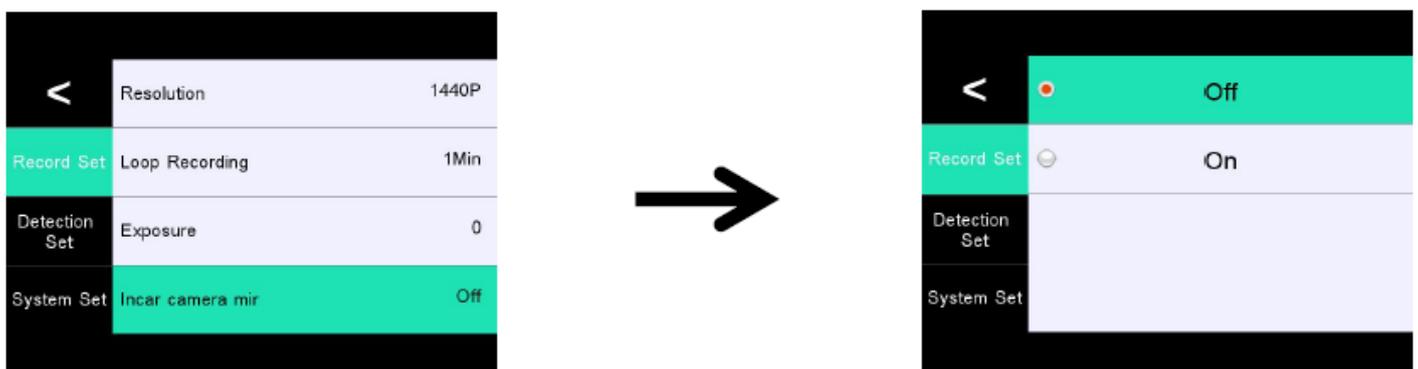
5.1 Loop recording: This option allows you to set the duration of the video clip. The shorter the time, the more video clips will be recorded. You can set the duration to 1 minute, 3 minutes, or 5 minutes, with the default set to 1 minute.



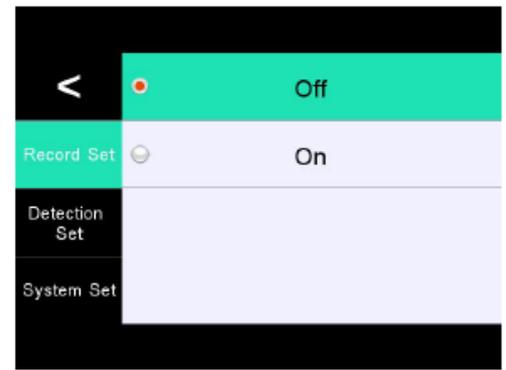
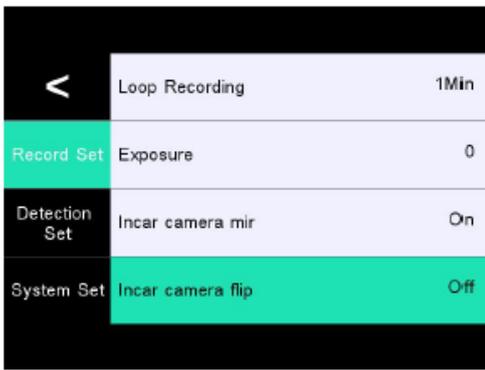
5.2 Exposure: This option can adjust the lens exposure values ranging from -3 ,2 ,1 ,0 ,1- ,2- ,3. The default setting is 0.



5.3 In-car camera mirror: This option allows you to adjust the image to display as a mirror or the original image. The default setting is off (mirroring).

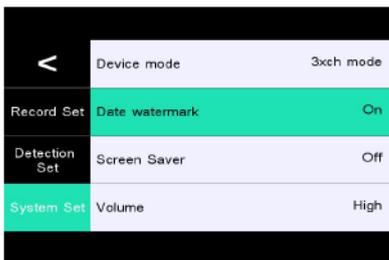


5.4 In-car Camera Flip: This option allows you to adjust the forward or reverse direction of the camera. The default setting is off (forward).

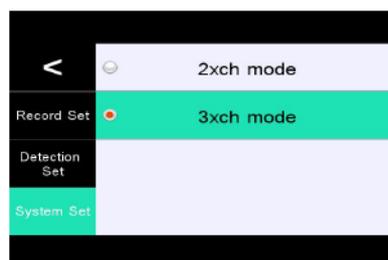


6. System Settings

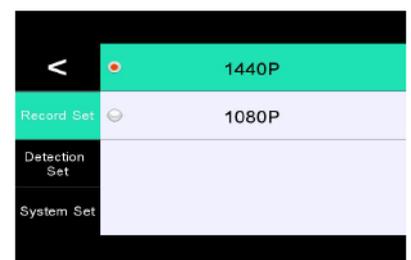
3 Channels recording modes



3 Channels recording Switch Options



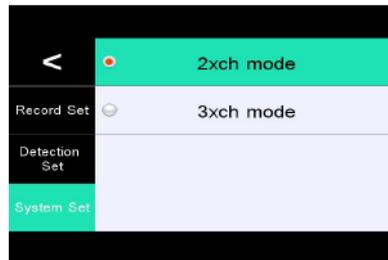
3 Channels recording resolution ratio



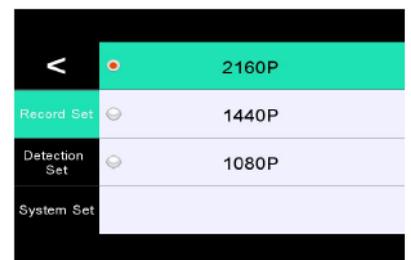
2 Channels recording modes



2 Channels recording Switch Options



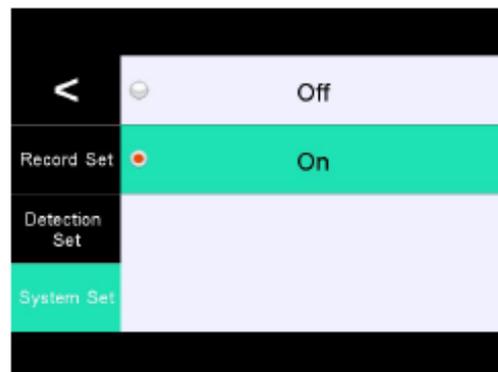
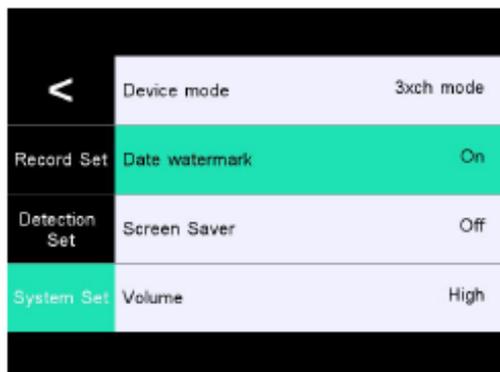
2 Channels recording resolution ratio



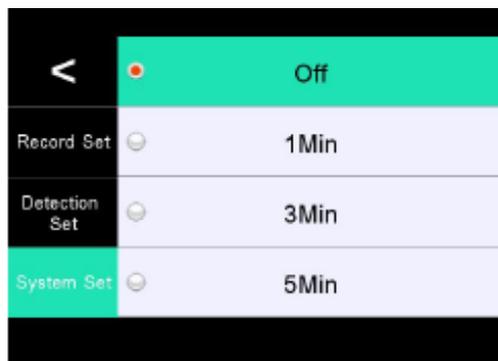
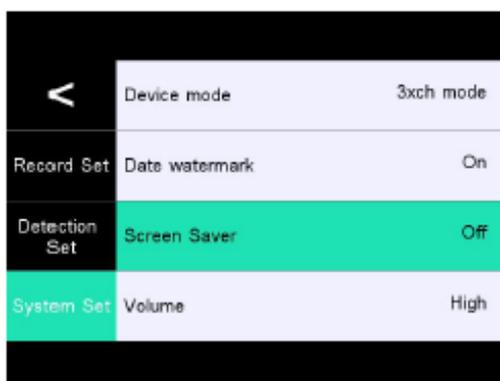
Note: The resolution option is for setting the parameters of the front camera. 1080P is the standard for the in-car and rear cameras, and the rear camera is optional. If post-recording is not required, it is recommended to set it to two recording modes to obtain a 4K video experience. The default three recording modes at the factory will format the TF card content when switching modes. Please ensure

to back up to avoid data loss.

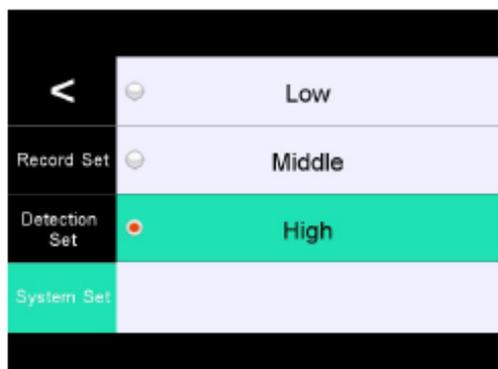
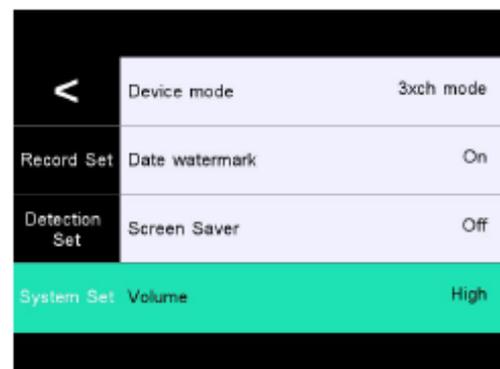
6.2 Date Watermark: This option sets the display status of video watermarks. You can toggle it On or Off, with the default setting being On.



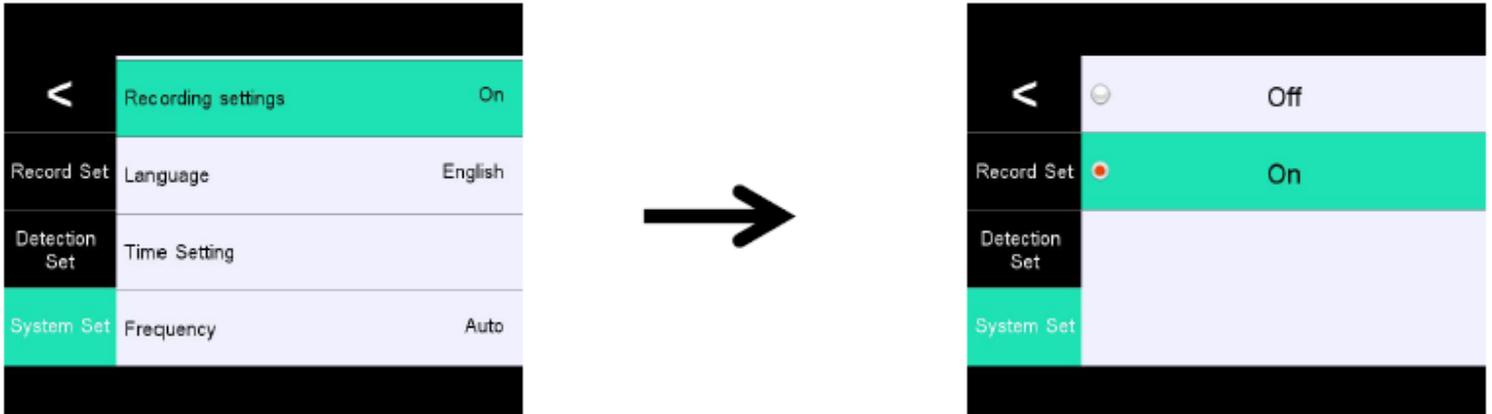
6.3 Screen Saver: This option sets the automatic screen shutdown time. You can choose from Off, 1 Minute, 3 Minutes, or 5 Minutes, with the default setting being Off.



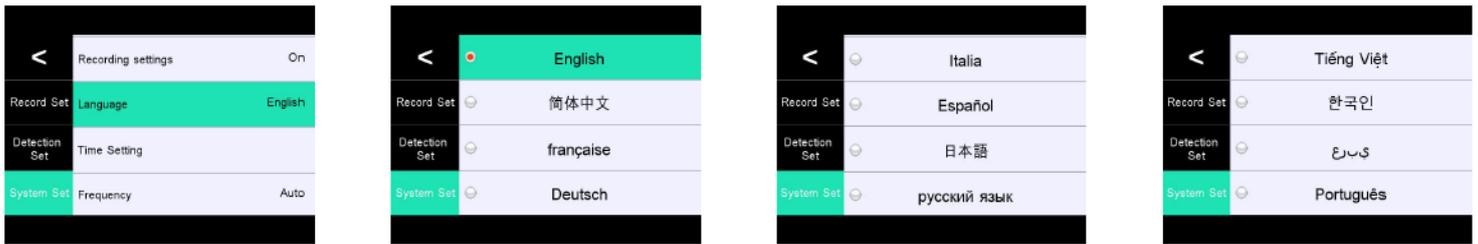
6.4 Volume: This option sets the volume level. You can select from Low, Middle, or High, with the default setting being High.



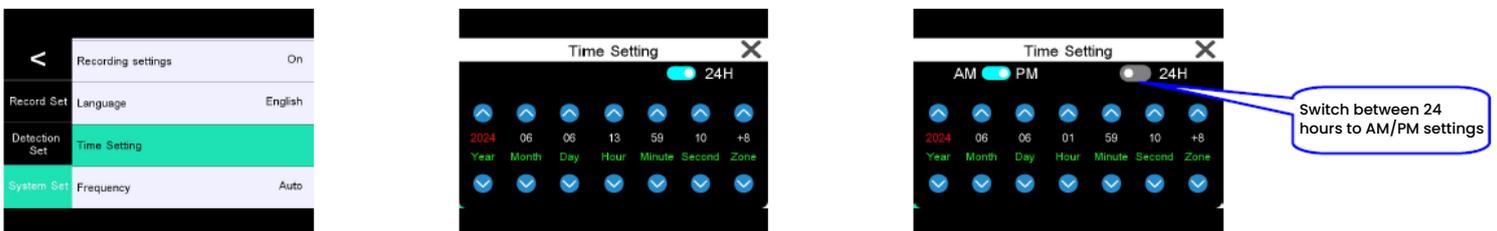
6.5 Recording Settings: This option controls the microphone. You can turn it On or Off, with the default setting being On.



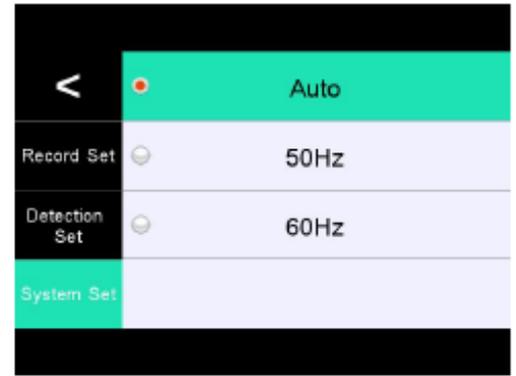
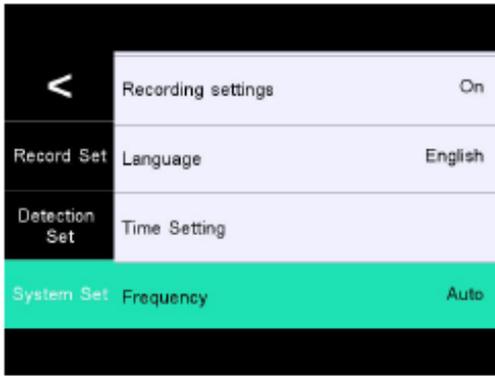
6.6 Language: This option sets the system language. Available options include English, Chinese, French, German, Italian, Spanish, Japanese, Russian, Vietnamese, Korean, Arabic, and Portuguese. The default language is English.



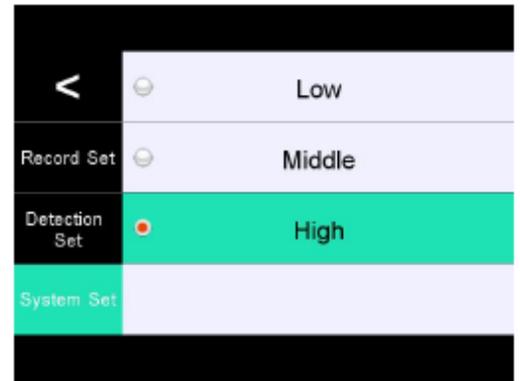
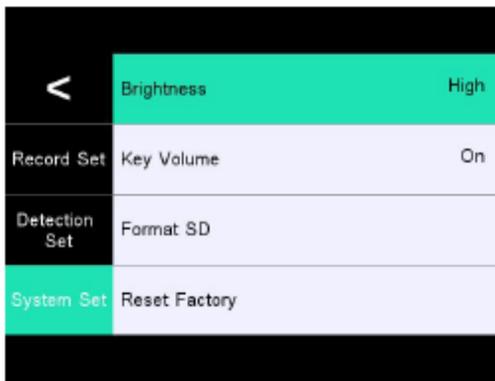
6.7 Time Setting: This option sets the year, month, day, and time. You can turn off the 24-hour mode and set AM/PM. Adjust the up and down arrows to automatically save the parameters.



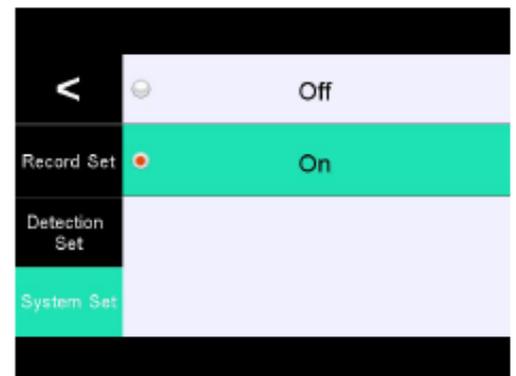
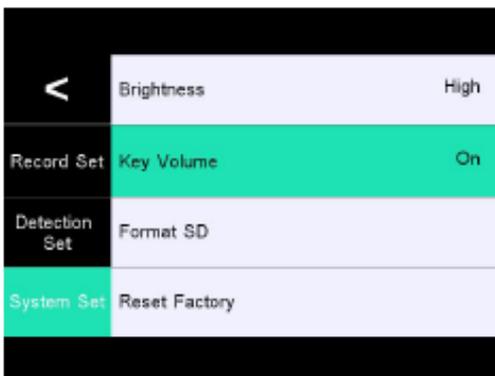
6.8 Frequency: This option sets the frequency of the ambient light source. You can choose Auto, 50Hz, or 60Hz, with the default setting being Auto.



6.9 Brightness: This option adjusts the brightness level of the display screen. You can select from Low, Middle, or High, with the default setting being High.

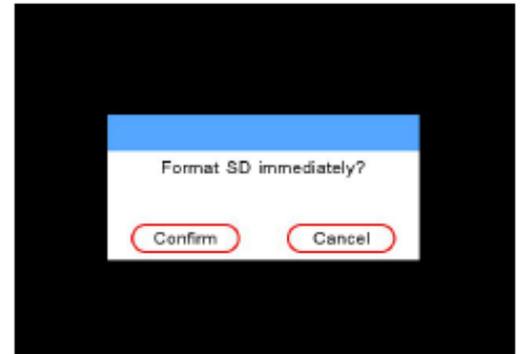


6.10 Key Volume: This option turns the sound of touch buttons on or off. The options are Off/On, with the default setting being On. (Mute operation can be performed after shutdown.)

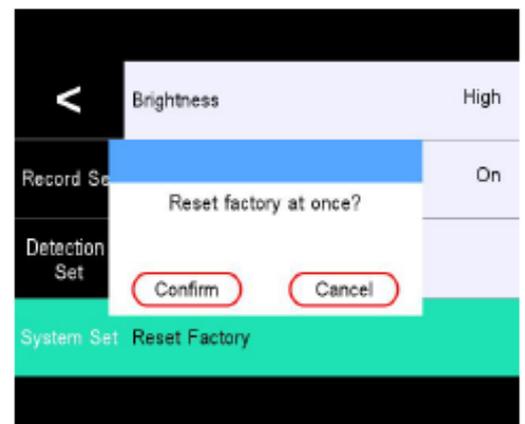
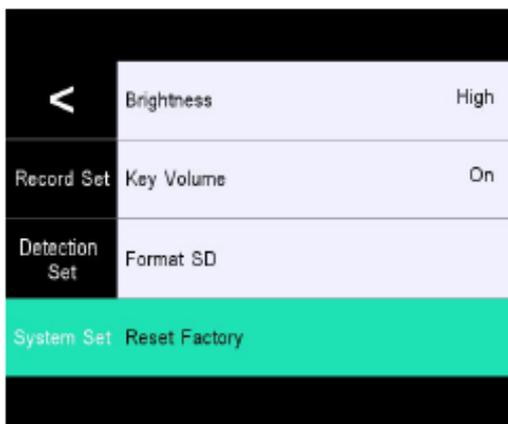


6.11 Format SD: Before using this option, please back up any important information on the card. This operation will format and clear all

data on the memory card. After clearing, the data cannot be recovered, so please proceed with caution. The first use will require local formatting and synchronization of the file system.

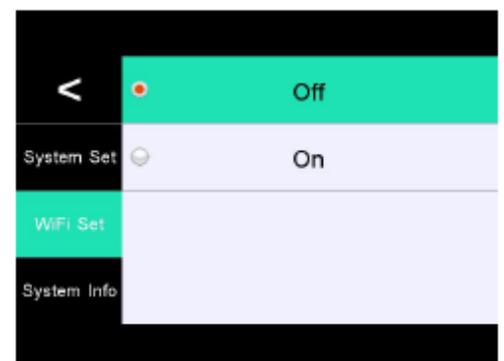
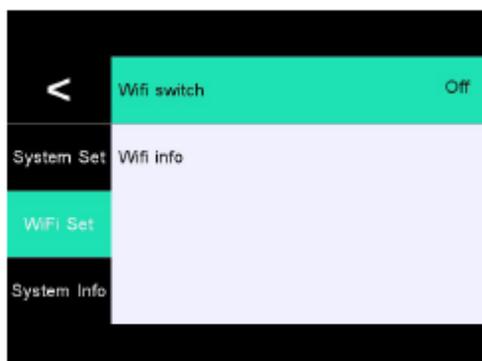


6.12 Reset Factory: This operation will restore all parameters to the factory default settings.



7. WiFi Settings

7.1 WiFi Switch: This option allows you to turn WiFi on or off, with the default setting being Off. WiFi is not used when turned off.

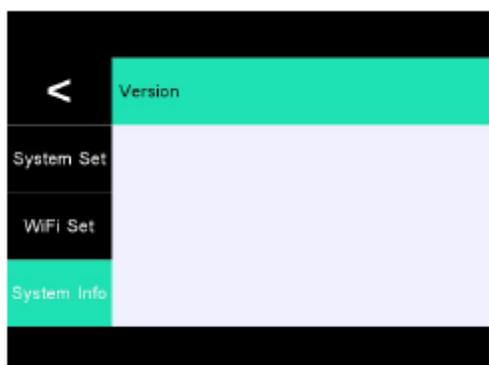


7.2 WiFi Info: This option displays the WiFi name, password information, and allows you to download mobile apps. For detailed operations, please refer to the WiFi function description.



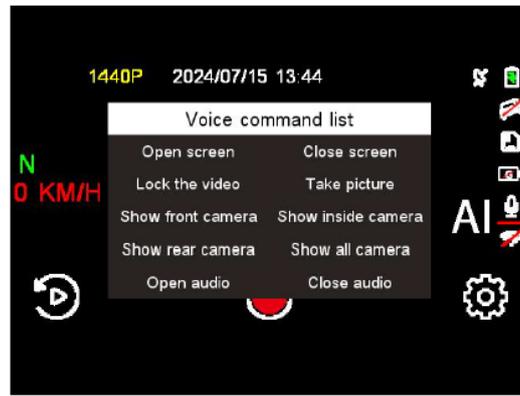
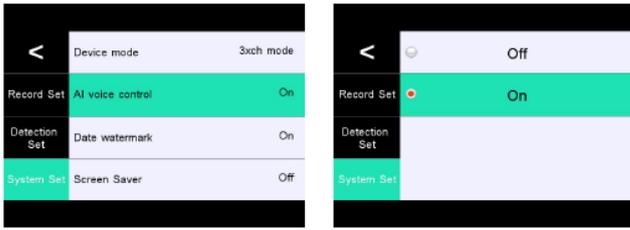
8. System Info

Version: This option allows you to view the local software version information.



9. Voice Control

This device supports English voice control. Voice commands can be used to operate the dashcam, but only pre-set commands are supported. The available commands include: Voice command list, Open screen, Close screen, Lock the video, Take picture, Show front camera, Show inside camera, Show rear camera, Show all cameras, Open audio, and Close audio.



Click on AI to enable the voice command

10. Time Zone Settings

The settings that influence the displayed time and date will be applied upon receiving a connection. Some examples of GMT time offsets are:

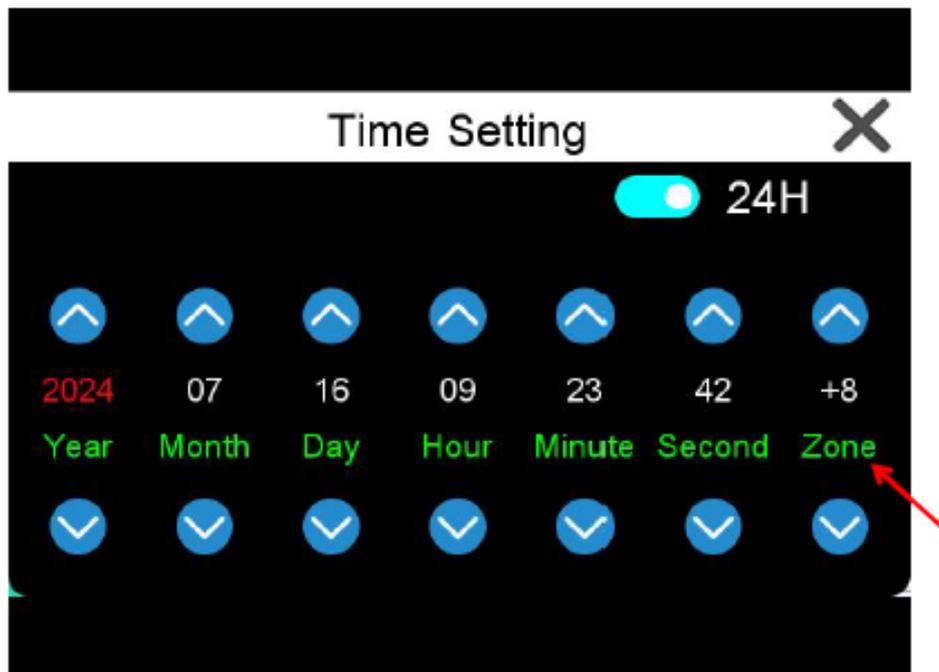
GMT-7: Los Angeles

GMT+10: Sydney

GMT-4: New York

Please make sure to adjust the time zone setting during standard vs. daylight savings time. If you are unsure of your GMT offset, please look up your city on Greenwich website.

<https://greenwichmeantime.com/time-zone/usa/>



WIFI Connection

- 1.** Long press the M key to turn on/off WIFI with just one click.
- 2.** Enter the menu and click on "WIFI switch" to turn on/off WIFI.
- 3.** Open the WIFI information, scan the QR code.

WiFi name: DVT-XXX

WiFi password: 12345678

- 4.** There are two ways to download the APP:

4.1 Search for the "ElookPro" app in the App Store or Google Play and proceed to download and install.

https://play.google.com/store/apps/details?id=com.rxtdv.sjdc&pcampaignid=web_share

<https://apps.apple.com/sg/app/elook-pro/id6444353219>

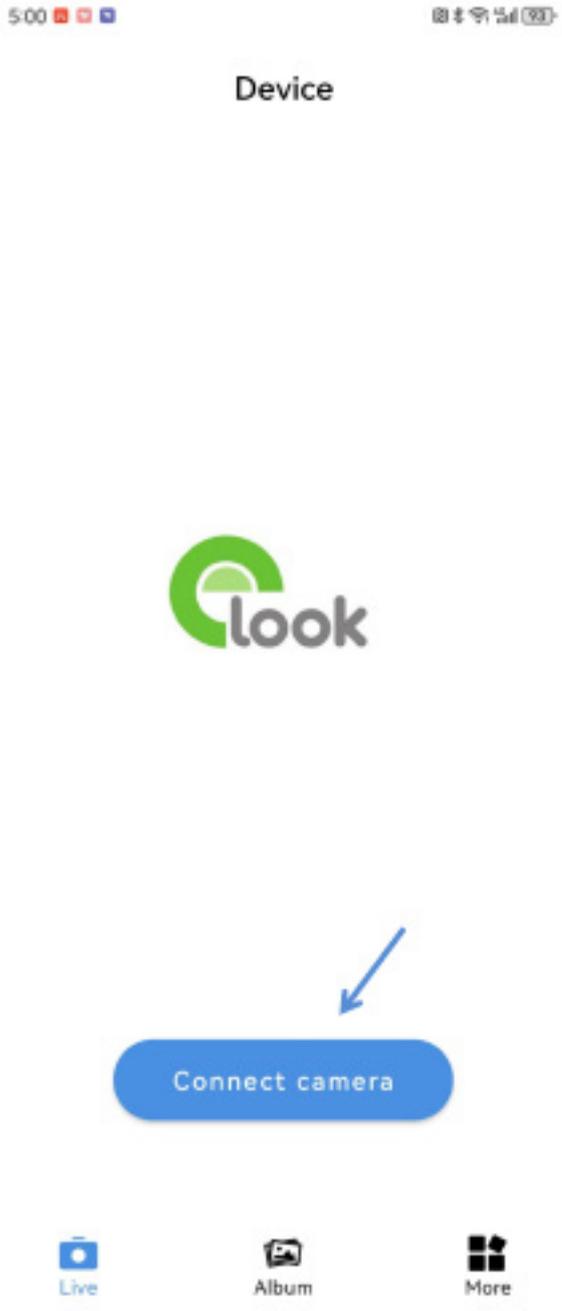
4.2 Scan the QR code for iOS and Android systems. Download and install the app.



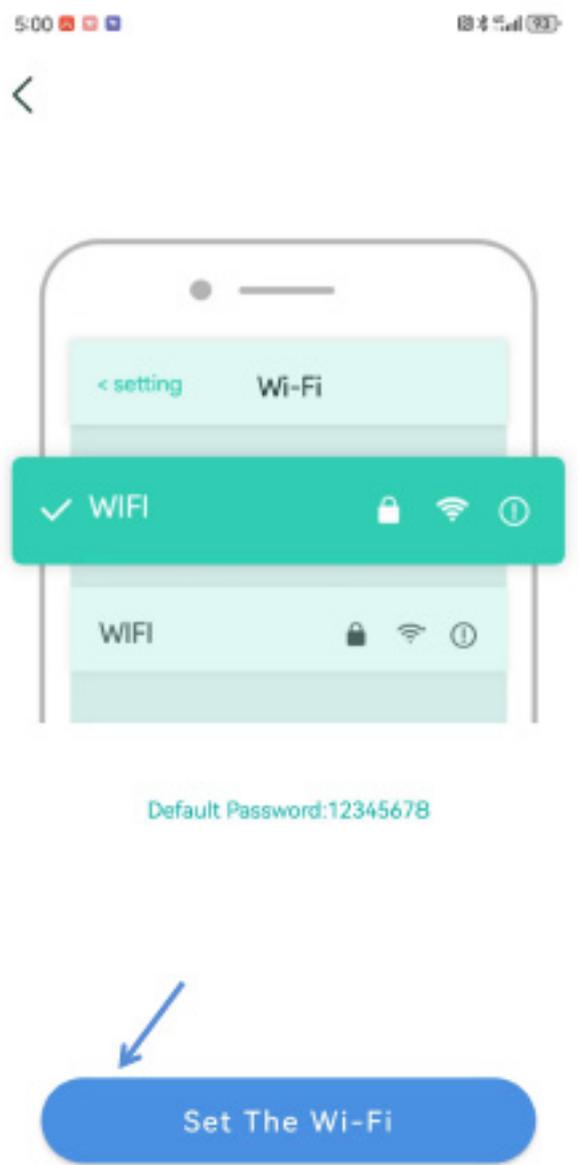
"ElookPro" QR Code

App Connection Guide

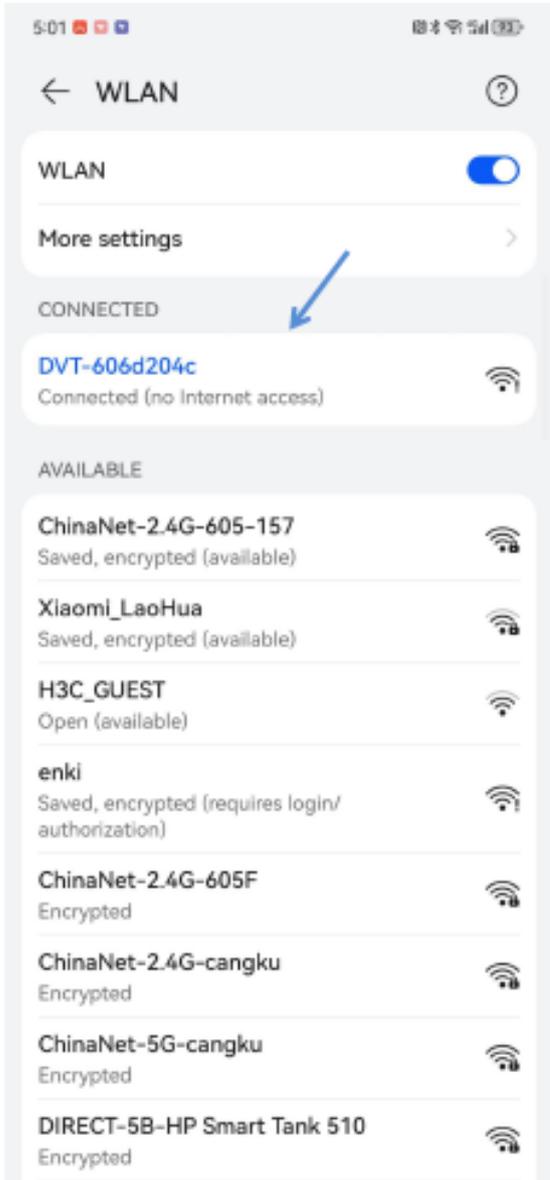
Open the app and click on "Connect camera".



Set the WIFI connection.

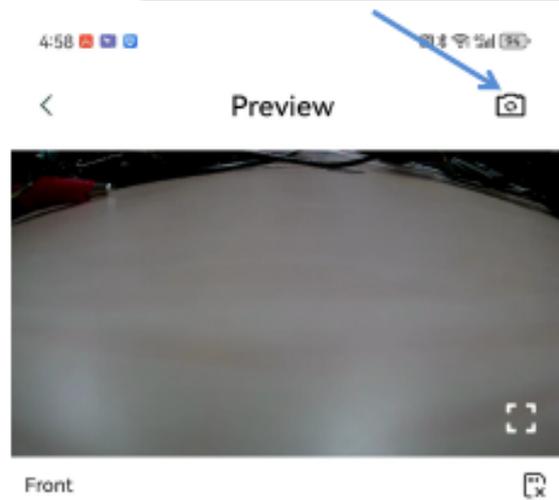


Ensure that the app is connected to the Internet.

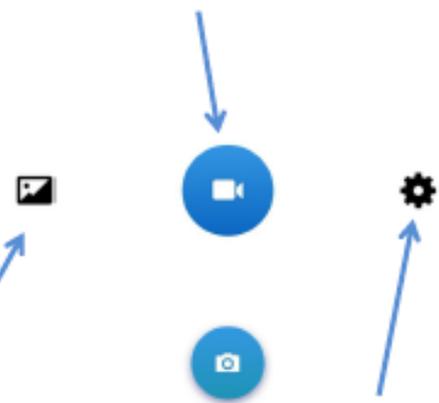


Recording interface is as follows:

Switch between front, in-car, and rear cameras



Click to pause the recording



Click to access settings.

Click to view the video

Lock Function

1. Manual One-Touch File Lock Function

By tapping the "Lock icon" while in video mode, you can lock the

current recording. Once locked, the file will not be overwritten by the loop, ensuring that it remains safe. Please note that locked files cannot be deleted, except during the file deletion process on the car recorder. If you choose to format the SD card, all files on the card, including the locked files, will be erased.

2. Automatic Document Lock Function

Equipped with an advanced three-axis gravity-sensing chip, this dash cam automatically locks the current video if the vehicle experiences a collision. This feature ensures that crucial footage is protected, providing valuable evidence in the event of an accident.

Pro Tip: The video lock duration depends on the recording length you set in the recorder's settings. For example, if you select a 1-minute recording time, the video will remain locked for 1 minute. You can adjust this duration in the settings.

AV Input Function

This dash cam supports AV video input. When connected with the rear-facing camera, it automatically switches to the rear view when reversing. The system also supports picture-in-picture display, allowing you to view both the front and rear cameras simultaneously.

Tips: Please ensure that the reversing trigger wire is correctly positioned. The red wire must be connected to the positive terminal of the reversing light, and the voltage should not exceed 12V.

Parking Monitoring Function

This device is equipped with a parking monitoring function. When enabled, it records activity around your car while it is parked. If your vehicle is impacted, the recorder will automatically activate and capture the event, providing crucial footage for later reference.

One-Key WiFi Function

In both standby and recording modes, you can easily turn the WiFi on or off by holding the M key.

Special Features

1. Rear View

First, connect the car charger to the recorder, and ensure that the red wire of the rear camera is linked to the positive terminal of the reversing light. Once the vehicle starts, the device will automatically enter recording mode. If the vehicle is in reverse, the rear view will be displayed immediately. After reversing, the recorder will automatically switch back to video recording mode.

Note: This function is not available on special models with reverse control lines set to negative.

2. Reset Function

If the device becomes unresponsive or crashes during use, you can reset it by pressing the RESET button. Use a small needle to press the button through the small hole on the shell to restore the device to its default settings.

Specifications

| | |
|----------------------------|---|
| Sensor | 4K CMOS |
| Front Camera Resolution | 4K (2160P) |
| Interior Camera Resolution | 1080P |
| Photo Resolution | 12MP |
| Front Camera Angle | 140° |
| Aperture | F 1.6 |
| Screen Size | 3" |
| Video Format | MP4 |
| Photo Format | JPG |
| Charging Port | Type-C |
| Audio | Built-in MIC & Speaker |
| Storage | Micro SD Card: Up to 256GB (Not Included) |
| Current Frequency | 50/60Hz |
| Power Supply | 5V |

Troubleshooting

Under normal operating conditions, if the product experiences any issues, please refer to the following methods to resolve them.

1. Cannot boot:

Check if the wiring is properly installed. If necessary, remove the memory card and restart the device.

2. Automatically stops recording during operation or does not

cycle recording:

Due to the large volume of high-definition video data, the read and write speed of the memory card may not be sufficient. Please use a high-speed TF card, such as a C10 high-speed card.

3. The footage is unclear:

Check the lens for dirt or fingerprints. Clean the lens surface before capturing any footage to ensure clear video.

4. Sometimes the video quality is inconsistent:

The quality of the footage can be influenced by the lighting conditions. Factors such as backlight, direct light, and the intensity of the light will affect the video's quality.

5. Streaks appear in the image:

This is caused by setting the incorrect "source frequency" when using fluorescent lamps.

Disclaimer

The recorder is a device used to record related information such as images and sounds during the operation of the vehicle. It is important to note that accidents, incidents, and similar events are only intended as supplementary references to avoid any user misunderstanding.

Special note: The device must be in recording mode in order to capture and save files. However, the recorded footage may be damaged or lost in the following situations:

1. During recording, pulling out the TF card may cause the last recorded file to be damaged or lost.

2. An unexpected power failure during recording may result in the loss or corruption of the last recorded image.
3. The video footage may be damaged or lost if the device is subjected to destructive collisions while recording.
4. Excessive vibration or collisions during recording can cause the memory card to become loose, which may lead to file corruption or loss.

The audio and video captured by the device are for reference purposes only. Our company will not be held jointly or severally liable for any loss caused by corrupted files or data loss due to abnormal conditions of the device.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.



Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

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