

This user manual is available on
<https://support.zenfox.com>

Zenfox · U1

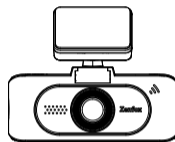
User Manual



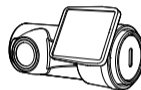
Contents

Package Component	2
Camera Parts	3
Memory Card	4
Installation	5
Button Scenario Guide	10
LED Indicators	11
Screen Overview	12
Operation	13
Firmware Upgrade	18
System Settings	19
Notice	24
Customer Service	25

Package Component



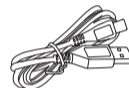
Front Camera



Rear Camera
(Optional)



Car Charger



Type-C USB Cable



Rear Camera
Cable (6M)



Front Mount
+3M Sticker

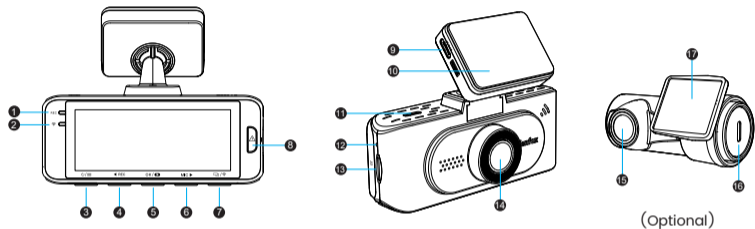


Rear Mount
+3M Sticker



Card Reader
Adapter

Camera Parts



- 1 Recording Status Indicator
- 2 Wi-Fi Status Indicator
- 3 Menu / Power On | Off
- 4 Menu Up / Recording Button
- 5 OK Button / Video Protect / Playback
- 6 Menu Down / Microphone Button
- 7 Live Video Source / Wi-Fi On | Off

- 8 Video Protect Button
- 9 Power Input
- 10 Mount Bracket
- 11 Rear Camera Port / Power Input
- 12 Reset Button
- 13 Memory Card Slot
- 14 Front Camera Lens

- 15 Rear Camera Lens
- 16 Power In + Video Out
- 17 Mount Bracket

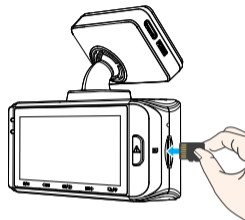
Inserting / Removing the Memory Card

• Inserting the memory card

Make sure the metal contacts on the memory card facing toward the screen. Ensure the camera is turned off and push the memory card into the card slot until you hear a click.

• Removing the memory card

Ensure that the camera is turned off, and then push the edge of the memory card with your fingernail. The card will spring out far enough to be removed.



Note:

- The microSD card is sold separately. The microSD card must be High Endurance type, have a UHS-U1/U3 or above rating and the capacity up to 256GB.
- Please format the card on a computer to the FAT32 file system.
- Formatting will permanently erase any data on the microSD card. For best performance, format periodically (after backing up any important files).

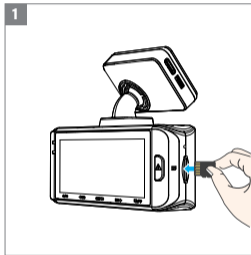


Warning:

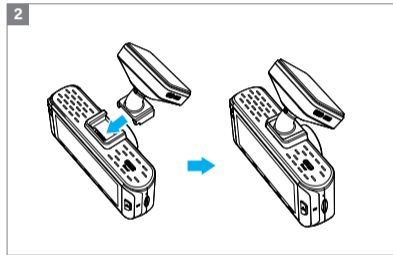
- Please turn off the UI before inserting or removing the microSD card.
- Inserting or removing the microSD card while recording may destroy the files.

Installation

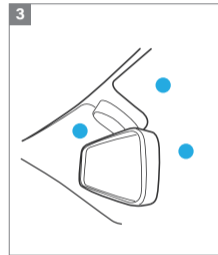
Front Camera Installation



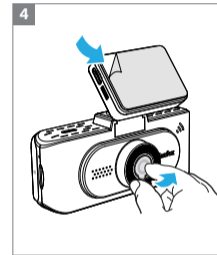
1. Insert microSD card to the slot of the device.



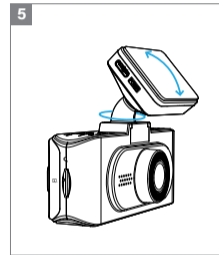
2. Slide the mount horizontally into the slot on the camera.



3. Select a location on the windshield behind the rear-view mirror and clean the place. It is better to install the camera above the car rear-view mirror.



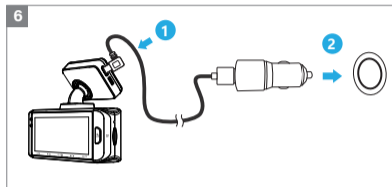
4. Peel the protection film of the sticky pad and camera lens. Fix the front camera on the selected location.



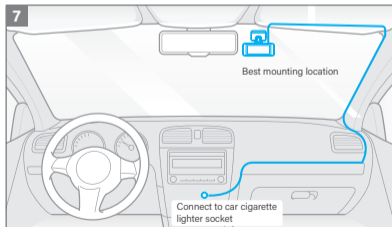
5. Look at the live view on the LCD screen and adjust the angle up / down if necessary.

Installation

Installation



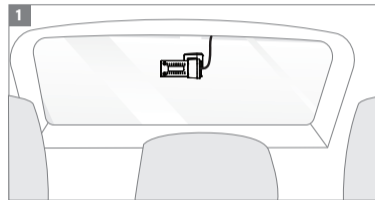
6. Plug the Type-C power adapter into your vehicle's 12V / 24V female power socket. Insert the long Type-C cable's male port into the camera's mount Type-C port.



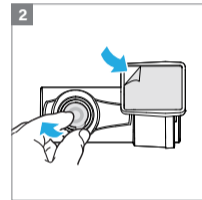
7. The whole look after front camera installation and power connection.

Installation

Rear Camera Installation (Optional)

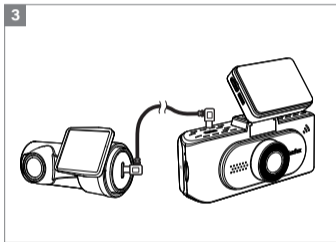


1. Select a location on the windscreen where the camera can record the entire rear view without defrosting grid wires and clean the place.

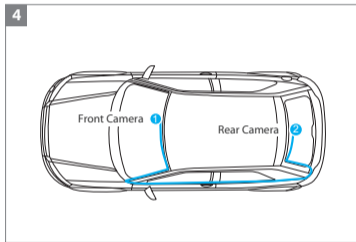


2. Peel the protection film of the sticky pad and camera lens. Fix the rear camera on selected location and adjust lens.

Installation



3. Rear camera connection. Power off the product and connect the rear camera cable to the front camera (main unit).



4. The overlook for dash cam installation.

Button Scenario Guide

Buttons	Behavior
	<ul style="list-style-type: none">▶ Long press to turn on/off power▶ Click once to enter/exit setup menu
	<ul style="list-style-type: none">▶ Move selector up▶ Stop/Start the video recording
	<ul style="list-style-type: none">▶ Confirm the action▶ Lock currently recording video clip▶ Video playback
	<ul style="list-style-type: none">▶ Move selector down▶ Microphone on/off
	<ul style="list-style-type: none">▶ Long press to turn on/off Wi-Fi▶ Switch live video source
	<ul style="list-style-type: none">▶ Click once to lock the file being recorded

Note: Please stop recording to enter the menu.

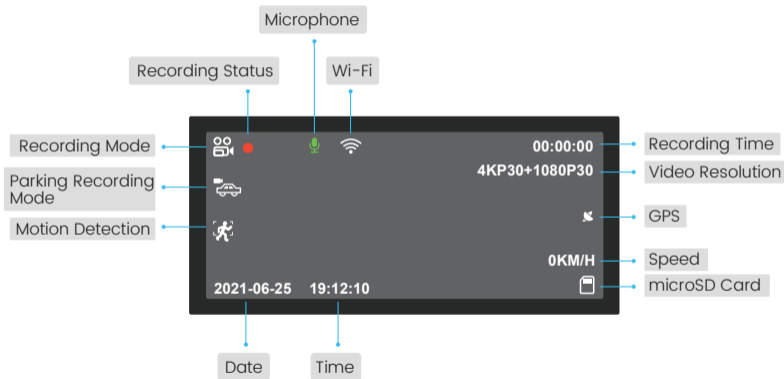
LED Indicators

LED Indicators

LED	LED Status	Behavior
REC	Solid Red	Recording
	Flashing Red	Not recording; Upgrade firmware
📺 / 📶	Solid Green	Wi-Fi Enabled
	Green off	Wi-Fi Disabled



Screen Overview

Video Mode



Operation

▶ Power on/off

The camera will automatically turn on/off and begin recording when you turn on/off the engine. Also you can manually long press [ / ] button to power on/off the camera.

▶ Loop Recording

Insert a microSD card into the camera's card slot and automatic loop recording will begin once the camera detects power after you set the loop recording time.

Time frame for each video file is Off/1/2/3/5/10 minutes.




When there is insufficient space in the microSD card, you can set the loop recording time in the menu, loop recording will automatically overwrite the oldest file one by one. Loop recording files are saved to microSD card: /DCIM/Movie folder.

▶ Emergency Recording

Automatic emergency recording

When the G-sensor is activated by a collision, the current footage will be locked automatically to avoid being overwritten by loop recording.

Manual emergency recording

Press the [ / ] button or [] button during a recording will lock the current recording file. Once locked, the file will not be overwritten by the loop recording feature.



Note: Locked files are saved to microSD card: DCIM/MOVIE/RO

Operation

▶ Parking Mode

Parking Mode: There are 3 options under parking mode:

① Auto Event Detection

The camera will automatically record for 1 minute while a moving object is detected while car is parked and will stop recording if no new movement.

② Time Lapse recording

Time lapse record a video at low frames at 1 / 2 / 3 / 5 / 10 fps. It keeps recording continuously without audio recorded.

③ Low Bitrate Recording

This mode record video in low bitrate 4MB/s for both front and rear. It keeps recording continuously in mini file size with audio recorded.

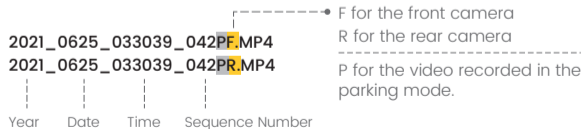
Operation

▶ Recording mode

Recording mode	In the memory card
Loop recording (Including Motion Detection)	DCIM\Movie
Emergency recording (Locked Video)	DCIM\Movie\RO
Parking recording (Auto Event Detection/ Time-lapse Recording / Low Bitrate Recording)	DCIM\Movie
Snapshot	DCIM\Photo

▶ File Format Definition

Files recorded by front camera and rear camera are saved separately.



Operation

▶ Playback Videos

Under standby mode (not recording), click once [OK/▶] button to enter the playlist. Use the arrow buttons [◀ REC MIC ▶] to select the desired video and press the button [OK/▶] to play. Press the [⏻/☰] button to exit.

▶ GPS

An internal GPS could record data including time, date, speed, and location in the recorded videos (only available when connected with GPS signal). If disabled, your camera will no longer measure your speed and position, nor synchronize the time / date.

Please download the GPS Player tool from dashcamviewer.com, using Dashcam Viewer could playback detailed information tracked by GPS on the computer.

▶ Play Back Video on Computer

1. Remove the microSD card from the dashcam.
2. Insert the card into the microSD card reader and connect it to a computer.
3. The computer will detect a "removable disk".
4. There will be two folders under DCIM folder:
 - Movie (loop recording video files) contains subfolder: RO (Protected / Locked video files)
 - Photo (Video snapshot files)
5. Copy the files needed to your computer drive.

Operation

► Connect with a Phone

Zenfox App

Zenfox APP will allow live view of cameras and settings adjustable using a smart phone after connected with UI Wi-Fi. Along with the live view, also support downloading videos / images directly to your phone.

Download Zenfox APP

IOS users could download it on the APP store. Android users could download it on the Google Play or download APK directly from our official website <https://www.zenfox.com>.

The app is free for Android devices and IOS devices.





Download on the
App Store



GET IT ON
Google Play

Operation

► Connect Zenfox APP

Step 1	Long press the [ / ] button on the main camera to turn on Wi-Fi.
Step 2	Use the phone to search and connect with UI Wi-Fi.
Step 3	Open Zenfox app and choose "Connect your camera" to use your phone to control the dashcam.
Step 4	Now you can see the live view of front and rear cameras. You can change the settings and check the files on the microSD card.



Note: The default Wi-Fi password is 12345678. It can be changed by the Zenfox app. Please turn off Wi-Fi if you do not use Zenfox app to prevent from draining the car battery.

Firmware Upgrade

Follow the instructions on this website to upgrade the firmware:
(<https://support.zenfox.com>)



- Before using a microSD card to upgrade the firmware, formatting the card in the camera is necessary to ensure stable read and write operation.
- Do not unplug or power off the camera during a firmware upgrade, it may cause the camera to subsequently fail to boot.

System Settings

You can set the product features according to your needs and preferences using front camera or the Zenfox app. To enter the menu settings, please stop recording first.

- **Resolution:** Setting video resolution of footage recorded.
Front Camera: 3840 * 2160P 30fps, 2560 * 1600P 30fps, 2560 * 1440P 30/60fps, 2560 * 1080P 21:9 30/60fps, 2304 * 1296P 30fps, 1920 * 1080P 30/60fps.
Front + Rear Camera: 4K 30fps + 1080P 30fps, 1600P 30fps + 1080P 30fps, 1440P 30/60fps + 1080P 30fps, 1080P 30/60fps 21:9 + 1080P 30fps, 1296P 30fps + 1080P 30fps, 1080P 30/60fps + 1080P 30fps.
- **Bitrate:** Low / Medium / High
Higher bitrate could improve the quality and smoothness of the video, especially when recording fast motion or high contrast scenes with larger video file, Lower bitrate will save space and record for longer time.
- **Live Video Source:**
Front Camera / Rear Camera / Rear Overlaid / Front Overlaid.
- **Loop Recording:** Off / 1 / 2 / 3 / 5 / 10 minutes.
A recording will begin automatically after powering on with a microSD card in the device. Each file is recorded up to the set length, with old footage being replaced when microSD card storage is full.

System Settings

- **WDR (Wide Dynamic Range):** On / Off.
The dynamic range is the ratio of the brightest portion of the image to the darkest portion of the image. WDR enables the camera to deliver video with a near perfect exposure in varying lighting situations.
- **Exposure:**
Adjusting the value of the EV (Exposure Value) properly can create better footage under different light sources. It ranges from -2.0 to +2.0. You can adjust the EV for the front and rear camera separately. The default is set at 0.0.
- **Parking Mode:** OFF / Low Bitrate Recording / Time Lapse / Auto Event Detection details could see at operation part.
- **Enter Parking Mode Timer:** Set the timer for entering parking mode.
- **Parking Recording Duration:**
This feature is designed to automatically turn off the dash cam after a period of time to prevent potential car battery drainage. Set the maximum amount of time you would like the dash cam to record for while parked. If set the option as " On ", the dash cam will keep recording until the hardware kits cut the power supply.
- **Parking G-sensor:**
The G-sensor detects significant or sudden movement, it will trigger an event recording. We suggest setting it to High sensitivity in parking mode recording.

System Settings

- **Parking Motion Detection:** Adjusts the sensitivity of the motion detection.
- **Time-lapse Recording:**
Record video from frames captured at specified time intervals to conserve memory and reduce the time it takes to review video. The default is off.
- **Motion Detection:** On/Off.
If turned ON, the camera will start recording on detecting any movement within its FOV (field of view). Recording will resume if any new movement is detected.
- **GPS:** On / Off
Turn on / off GPS logger. Built-in GPS module is including the location data in the recorded videos. If disabled, your camera will no longer measure your speed and position, nor synchronize the time / date. (Only available when connected with GPS signal) .
- **Speed Unit:** Kilometer per hour (KM/H), miles per hour (MPH).
- **G-Sensor:** Off / Low / Middle / High
The G-sensor measures shock forces and locks the video recorded at the time. The settings from "low to high" determine the amount of force needed to lock the file from being overwritten. We recommend that you set it at low.
- **Wi-Fi:** Off / On
Note: Please turn off Wi-Fi when you are not using Zenfox app.

System Settings

- **Date Stamp:** On / Off. Imprint the time and date on the recorded video.
- **GPS Info Stamp:** Off / All Info / Speed / Coordinates
Imprint the GPS information on the recorded video.
- **Camera Model Stamp:** On / Off. Imprint the camera model on the recorded video.
- **Record Audio:** Off / On
Turn on or off the microphone. This can also be changed during recording by pressing the microphone button [**MIC ▶**] .
- **Screen Saver:** The screen turns off by default after the interval you choose while recording.
- **Boot Delay:** Off / 5sec / 10sec
The camera will boot seconds later when powered on.
- **Date / Time:** Set system date / time.
- **Time Zone:** Set the current time zone for GPS time and date calibration.
- **Language:** Set the current time zone for GPS time and date calibration.
简体中文 / 繁體中文 / English / Français / Español / Português / Deutsch / Italiano / Русский / 日本語 / Türkçe / Română / Polski / Český / Slovenský / Azərbaycanca / Dutch / Norsk.

System Settings

- **Beep Sound:** On / Off
Turn on/off all notification sounds.
- **Frequency:** 50Hz / 60Hz. Set it to minimize flickering and banding in the recorded video.
- **Image Rotation:** Off / Front Only / Rear Only / Front Rear.
- **Rear Camera Mirror:** Off / On
Rear Camera Mirror can make the image of the rear camera to be displayed and recorded as reversed compared to the actual view.
- **Format:** The operation will delete all data on the microSD card.
Note: Once you format the card, all information will be deleted and unrecoverable. Make sure to back up all files that you needed before formatting.
- **Format Warning:** Set the number of days between format warnings.
- **Default Setting:** Restore device to factory settings.
- **Car Number:** Imprint the car license plate number on the recorded video.
- **Custom Text Stamp:** Imprint the customize text on the recorded video.
- **Firmware Version:** Check the current firmware version of the camera.

Notice

FCC Caution:

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

This device 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: This equipment has been tested and found 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, 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.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.
3. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Zenfox Limited, declares that this Radio Frequency peripheral is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Customer Service

All products have a one-year warranty from the date of receipt with lifetime technical support. Now, register your product information on www.zenfox.com, you could extend your product warranty from **12** months to **18** months.

If you have any question, please contact us at **support@zenfox.com** in Mon-Fri 9am-6pm.