

IRO

Dash Cam Model: DX-1



Product Manual

Preface

Thank you for your purchase of the IRO Dash cam.
Please read this manual completely before beginning your installation.

This manual is suitable for the following Models
DX-1,DX-2,DX-3,DX-4,DX-5,DX-6,DX-7,DX-8,DX-9,DX-10

Note: The D in the model number means 2 channel. G30 is one channel, and G30D is 2 channel. And so on.

G30/G30D is suitable for the 14th generation Lexus ES(XZ10).
G31/G31D is suitable for the 4th generation Lexus RX(AL20).
G32/G32D is suitable for the Lexus NX(AZ10).
G39/G39D is suitable for the Lexus UX(ZA10).
G33/G33D is suitable for the 18th gen Toyota Camry(XV70).
G34/G34D is suitable for the 4th gen Toyota Highlander(XU70).
G35/G35D is suitable for the 12th gen Toyota Corolla(E210).
G36/G36D is suitable for the 5th gen Toyota RAV4(XA50).
G37/G37D is suitable for the Toyota C-HR (AX10).
G38/G38D is suitable for the 5th gen Toyota Avalon(XX50).

Your IRO Dashcam can record up to 2560x1440 HD video(2 channel model). Using your smart phone app, you can connect your phone to your IRO Dashcam using the built-in WiFi.

You may use your smart phone to view real time video from your camera, as well as play video, save video, and download video. The IRO Dashcam may be completely controlled via the smart phone app.

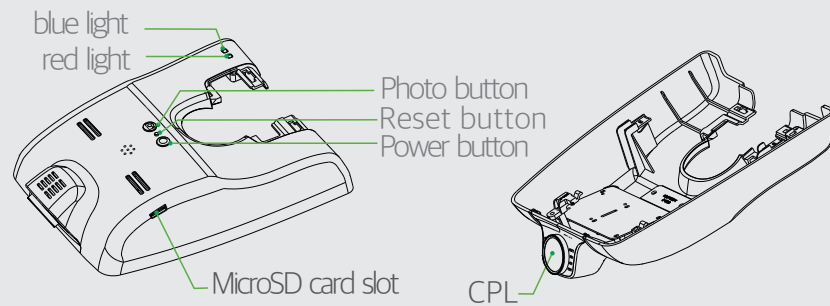


IMPORTANT TIPS:

If your mobile phone is running a VPN software, you may not be able to connect to the dashcam. Please close your VPN software at this time.
If you find that the video is not smooth when playing back the video online with app, please turn off the Bluetooth of your mobile phone.

Note: We are always working on updating the IRO Dashcam.If you find any discrepancy in this manual, please use the information found with the Dashcam.

Product Structure



Each key function:

When the camera is powered on, it will turn on automatically and record the video. While recording video, the blue indicator slowly breathes. Photo button: in the video state Short Click to take a photo.

Power button: Press the power button long in the shutdown

state to boot; Press the power button long in the video state to shut down.

Reset button: Long press to reset the camera.

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Installation Video

It is strongly recommended that you watch our installation video before you begin your installation.

You can search "IRO Lexus " through the website:

www.youtube.com to watch the Installation video.

You can also directly access

<https://youtu.be/CP3STvdUfgc> (case sensitive).

Please note that this installation video is for G30D, and the installation process is the same as other models.

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Installation



Before installation.
The car has two shells that need to be removed.
We call them No.1 and No.2 shells.

06

Installation Steps ①



With the plastic stick we provided, pry the No.1
shell down along the direction of the red arrow.

07

Installation Steps ②



After the No.1 shell has been removed.

08

Installation Steps ③



Use the thumbs of both hands to push the No. 2 shell with appropriate force in the direction of the red arrow.

09

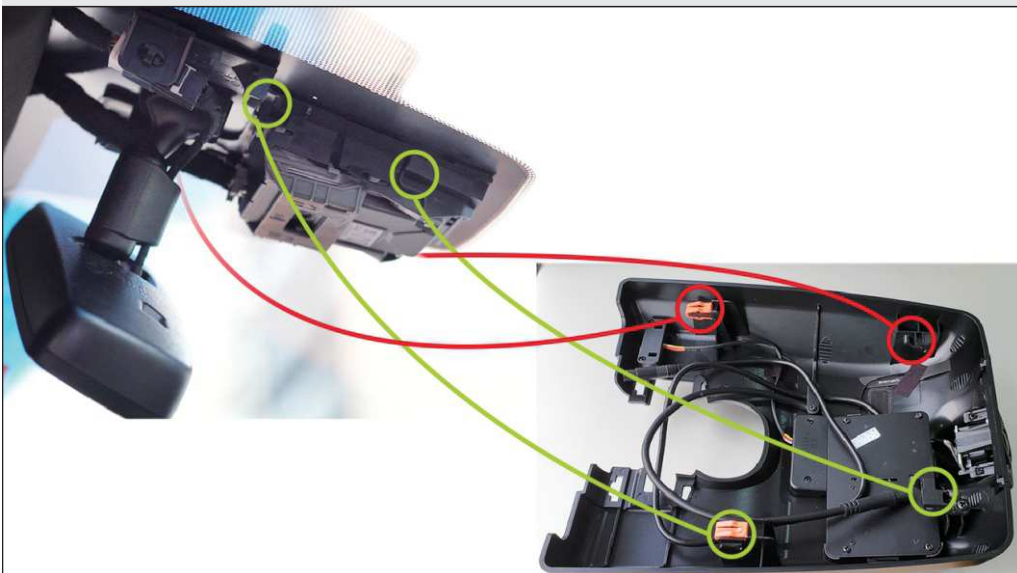
Installation Steps ④



Remove the No.2 shell.

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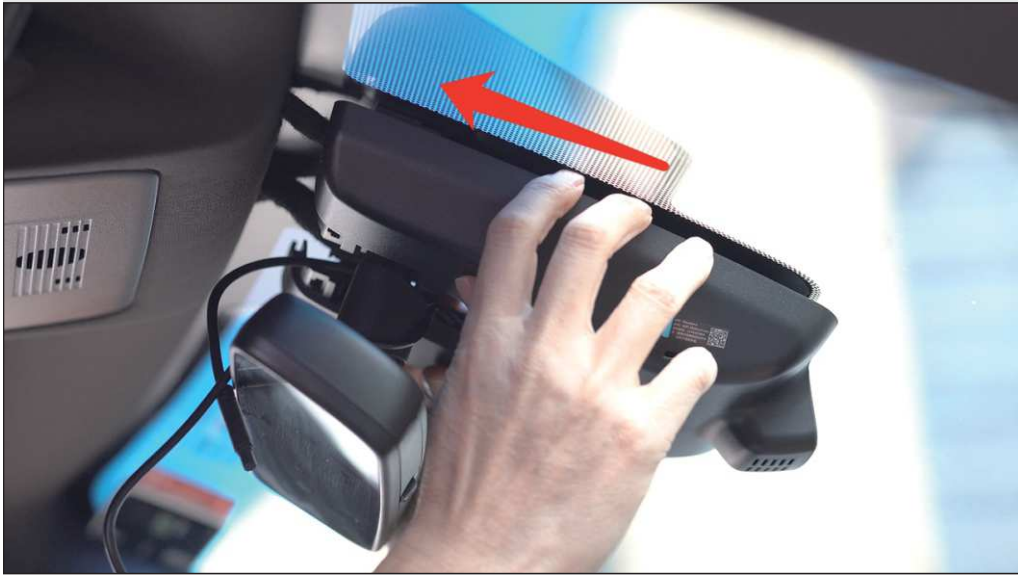
Installation Steps ⑤



Pay attention to the 4 sets of matching points between the dashcam and the car bracket. They need to be aligned during installation.

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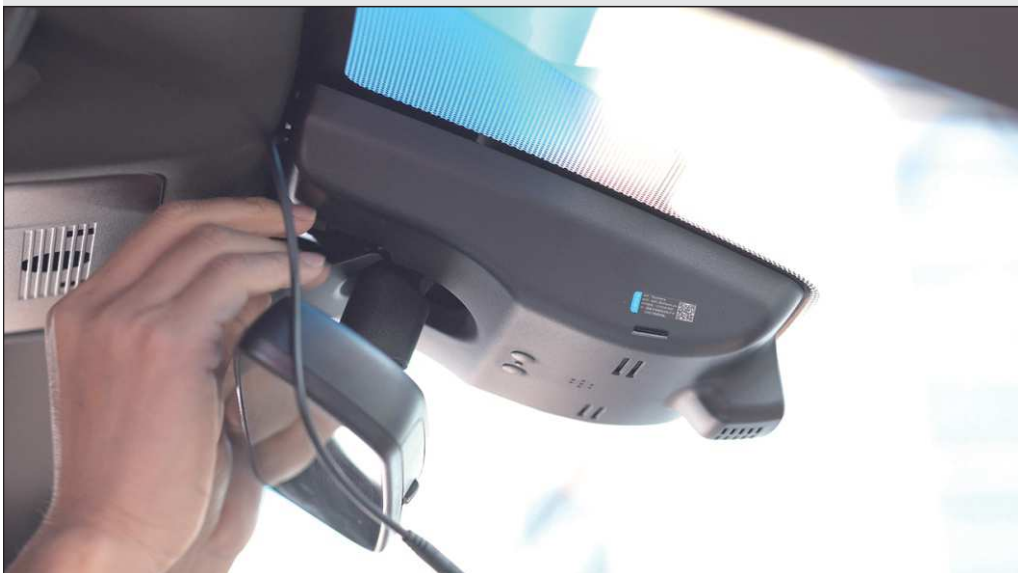
Installation Steps ⑥



After aligning the 4 sets of matching points, push the dashcam in the direction of the red arrow. Put the machine in place.

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Installation Steps ⑦



Put the No.1 shell back in place.

13

Installation Steps 8



Plug the power cord into the roof on the left side of the car, and plug the rear camera cable into the roof on the right side of the car. Pay attention to the exposed wire ends to facilitate subsequent wiring.

14

Installation Steps 9



The main body of the dashcam is installed.

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Installation Steps 10



Open the left front door and remove the No.3 and No.4 shells.

16

Installation Steps 11



After the No.3 shell has been removed.

17

Installation Steps 12



Remove the No.4 shell.

18

Installation Steps 13



After the No.4 shell has been removed.

19

Installation Steps 14



Pass the power cord up from above the floor.

20

Installation Steps 15



Pull the power cord out of the side.

21

Installation Steps 16



Connect the power cord to the car's OBD port. The OBD port of the car is usually above the driver's left foot.

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Installation Steps 17



Connect the power cord to the dashcam.

23

Installation Steps 18



Check to see if the dashcam's light is on. If the light is not on, make sure your car is started.

24

Installation Steps 19



Plug the power cord into the roof of the car.

25

Installation Steps 20



Arrange the power cord along column A.

26

Installation Steps 21



Arrange the power cord along column A.

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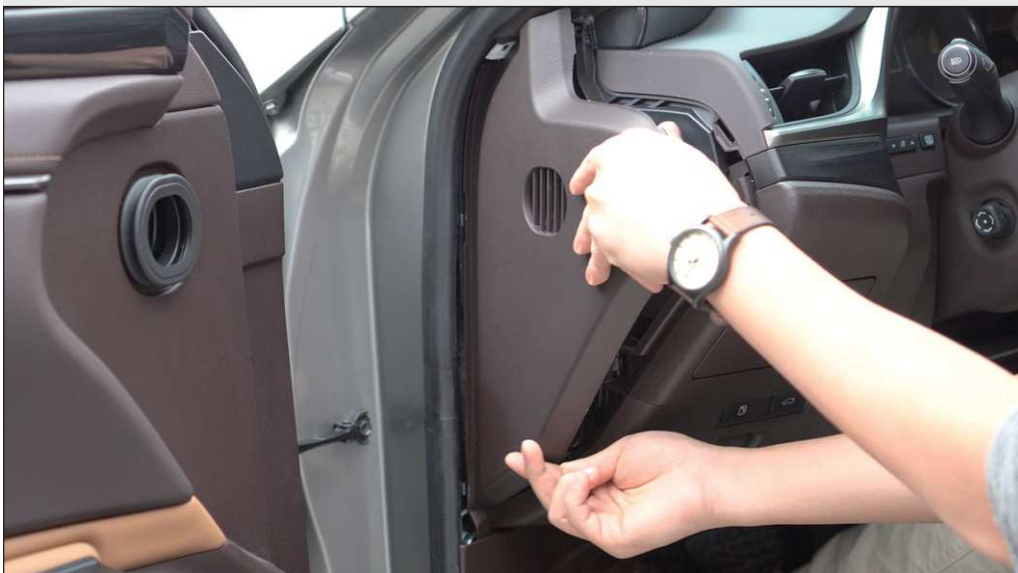
Installation Steps 22



Arrange the excess power cord and place it in a proper place.

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Installation Steps 23



Install the No.4 shell back in place.

29

Installation Steps 24



Put the No.3 shell back in place.

30

Installation Steps 25



The power cord is wired.

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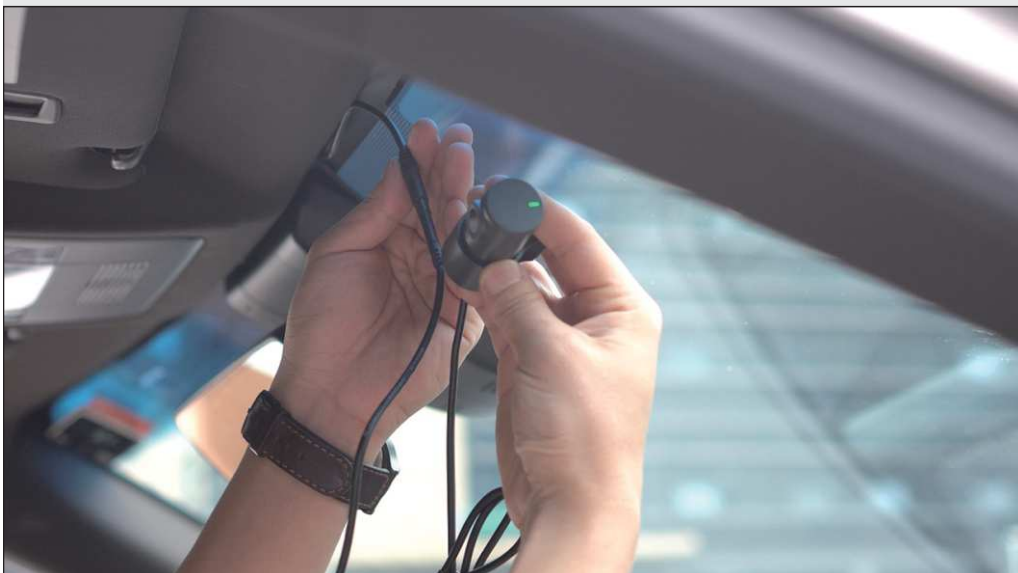
Installation Steps 26



Connect the rear camera.

32

Installation Steps 27



Check to see if the indicator on the rear camera is on.

33

Installation Steps 28



Plug the rear camera cable into the roof of the car.

34

Installation Steps 29



Plug the rear camera cable into the roof above the front right door.

35

Installation Steps 30



Plug the rear camera cable from the gap into the B-pillar.

36

Installation Steps 31



Plug the rear camera cable into the roof above the back right door.

37

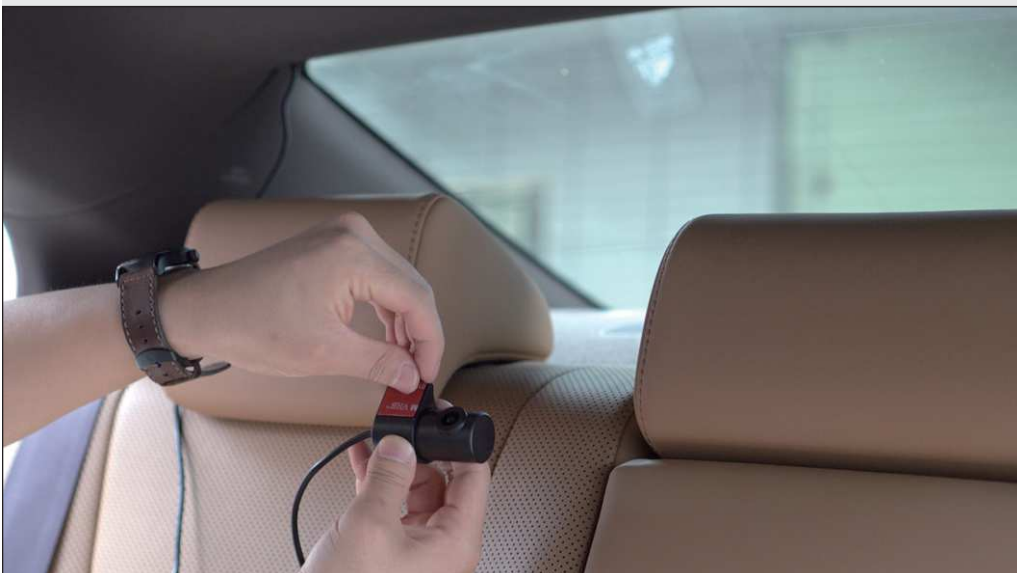
Installation Steps 32



Plug the rear camera cable from the gap into the C-pillar.

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Installation Steps 33



Remove the red film on the rear camera seat.

39

Installation Steps 34



Stick the rear camera to the middle of the rear windshield.

40

Installation Steps 35



Put the extra rear camera cable into the roof of the car.

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Installation Steps 36



The rear camera is installed.

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Product operation

1. Boot video

Turn on the car and the recorder will automatically turn on and automatically record. Please make sure TF card already inserted correctly, it is recommended to use Class 10 or above TF card. In the video state, the blue light flashes slowly. If the TF card is not inserted correctly, the red and blue lights flash at the same time.

2. Power button

In the recording state, press and hold the power button to turn it off; in the off state, press and hold the power button to turn it on.

3. Photo button

Photo function. In the state of video recording Short press the Photo button to take a picture .

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Product operation

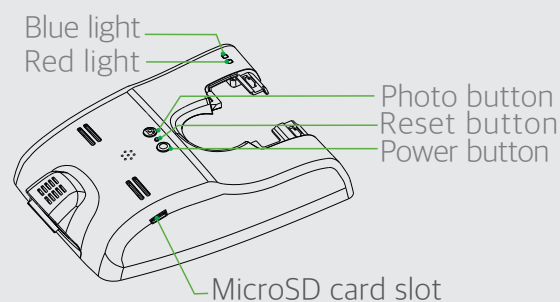
4.Reset button

Long press to reset the system.

5.System date and time settings

Connect your phone to your camera's wifi. Open the app to synchronize the system time automatically. Circular video depends on the correct system time. Therefore, it is necessary to synchronize system time for the first time to work.

Product operation



Blue light is on: start-up;
Blue light slow flash: normal working and video mode;
Red light slow flash: parking monitoring mode;
Red and blue lights are always on: software upgrades are in progress;
Red and blue lights flash at the same time: no card or storage abnormalities.

Product operation

6. APP

There are two apps that can be adapted to IRO Dashcam, Youmera and DDPAL. You can search and install it in the Apple Store or Google Play.

7. Connect to the phone

After the camera is turned on, the system will transmit a WiFi signal with a name such as IRODashCam, select this WiFi on your smartphone, and enter the initial password: 1234567890 to establish a WiFi connection with the machine.

Note that some Android phones automatically detect whether WiFi is connected to the Internet when connecting to a WiFi. Because the WiFi of the dashcam is not connected to the Internet, the phone may indicate that WiFi is not available. Please ignore this prompt and keep the connection.

Product operation

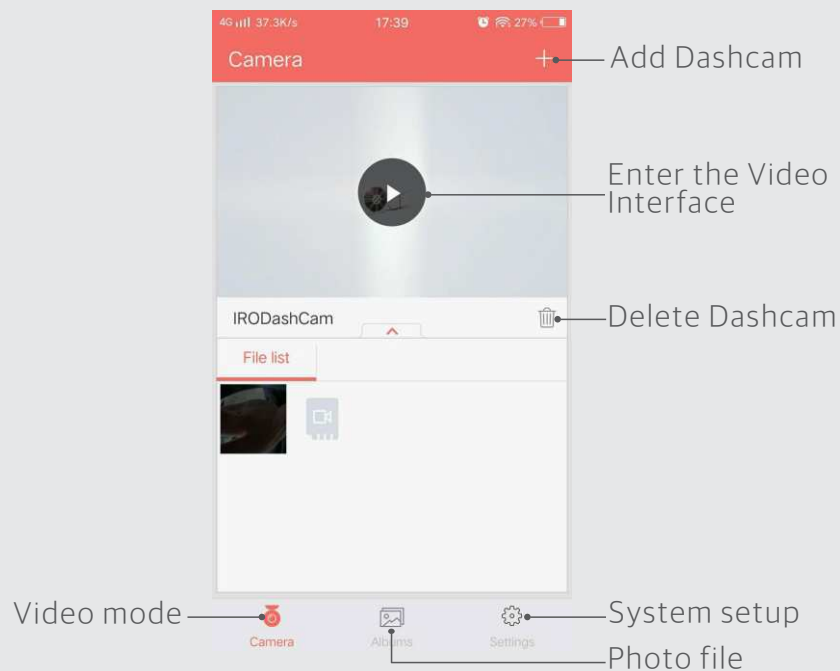
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If you find that the video is not smooth when playing back the video online with app, please turn off the Bluetooth of your mobile phone.

Product operation

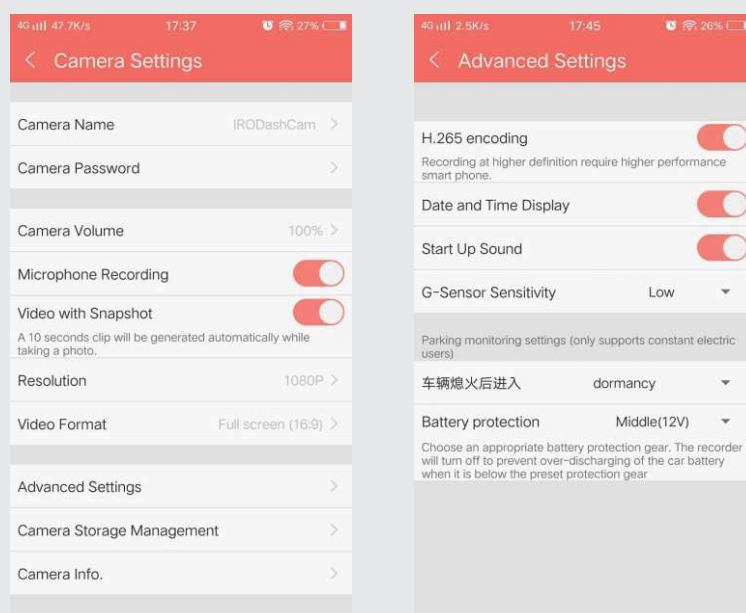
8. APP Main Interface



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Product operation

9. The settings menu



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H.265 Video format

About Video playback software.

This product supports the most advanced H.265 video compression protocol in the industry. If your phone supports the H.265 protocol, the app prompts you to turn on H.265 Video options. Some computer software may not support H.265 video format, At this time you need to download the latest version of the video playback software to play the video.

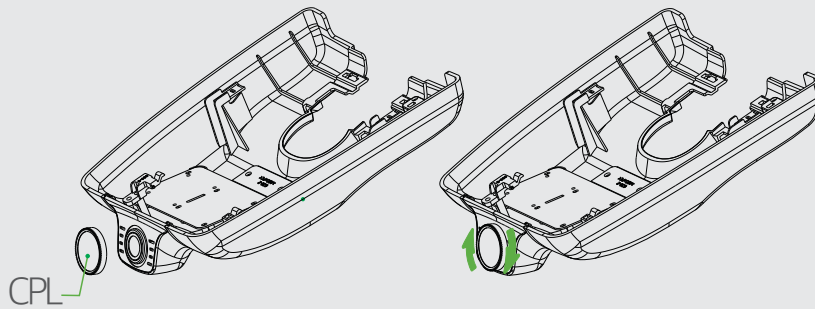
Parking Mode

This product has a parking monitoring function that can be turned on or off in the app. If the parking monitoring function is turned on, the machine will enter Parking monitoring mode when the vehicle is in the locked state. In this mode, the red indicator light flashes slowly, the machine puts Video frame rate dropped to 1.5FPS, 30 minutes of video capacity in parking monitor mode approximately 84MB, disk space consumption and system power consumption are greatly reduced, so Support long hours of work.

Low power protection

This product has a low-power protection function. You can set the protection voltage threshold in APP. There are respectively 11.8V, 12V and 12.4V. When the vehicle detects that the vehicle voltage is below this value in the parking mode, the system will shut down automatically.

CPL



Magnetic CPL(Circular-Polarizing Lens), using the magnetism to install.

The purpose of CPL is to decrease the backlight reflection from the windshield of the car. The CPL is rotatable, please adjust the CPL to suitable angle, so that the device can maximum reduce the backlight reflection.

CPL

The adjusting method as below:

- 1.Using your smart phone app, connect your phone to your IRODashcam using the built-in WiFi, observe the backlight reflective situation.
- 2.Put something white(such as a paper) at the central control desk, where the dashcam can be took in video. So the dashcam can record the inverted reflection in windshield of the paper now.
- 3.Rotating the polarized lens, observing the image of your smart phone until the inverted reflection of the paper becomes slightest, even disappeared.

CPL



Paper reflection.



Reflection almost disappeared when CPL rotate to suitable angle.

Product specifications

MODEL:G30/G31/G32/G38

Imaging element	CMOS(OV2735)
Lens	Wide Angle lens/6G/F1.8 aperture
View Angle	Horizontal 120°
Video coding	H.265
Video Resolution	1920X1080 30FPS
Memory card type	Micro SD card
External power supply	DC12V
Power consumption	1.7W (typ.)
WiFi module	Built-in
Operating temperature	-20°C~70°C

Product specifications

MODEL:G30D/G31D/G32D/G38D

Imaging element	CMOS OV04B10
Lens	Wide Angle lens/6G/F1.8 aperture
View Angle	Horizontal 120°
Video coding	H.265
Video Resolution	Front 2560x1440*30FPS/Rear 1280x720*30FPS
Memory card type	Micro SD card
External power supply	DC12V
Power consumption	2.9W (typ.)
WiFi module	Built-in
Operating temperature	-20°C~70°C

MicroSD card

The maximum capacity of TF cards supported by this dashcam is 128GB. High quality memory card can be more stable and efficient video recording, we recommended to choose genuine licensed TF card; Select Class 10 or higher read / write rate. When the recorder is working, a large number of data erasing and writing operations are generated. Regularly formatting the TF card (for example once a month) helps to maintain good storage conditions.

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FCC Caution.

(1)§ 15.19 Labelling requirements.

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.

§ 15.21 Changes or modification warning

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

§ 15.105 Information to the user.

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.

Web:www.irodashcam.com