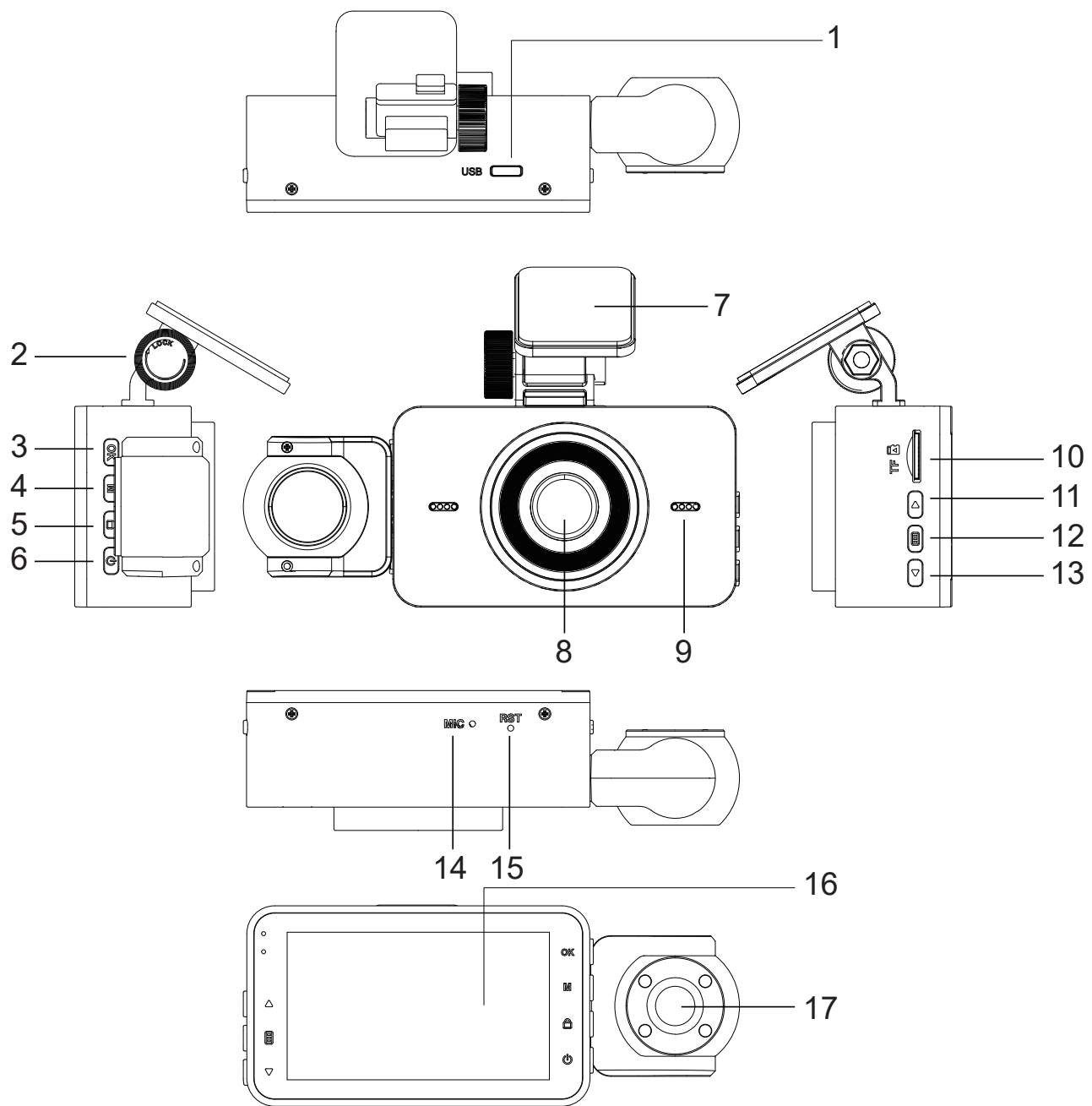


Dash camera



- | | |
|--|------------------------|
| 1. USB charging port | 9. Speaker |
| 2. Bracket knob | 10. Micro SD card slot |
| 3. OK button | 11. Up |
| 4. Photo taking/ video recording /playback | 12. Menu / Settings |
| 5. Lock button | 13. Down |
| 6. Power button | 14. Microphone |
| 7. Bracket | 15. Reset |
| 8. Front Lens | 16. LCD display |
| | 17. Inside camera |

【6.Power】 button:

Short press to turn on/off the screen, long press to switch on/off the device.

【4.M】 button:

Short press to switch between photo taking, video recording and playback.

Press the **【3.OK】** button to take photos (in photo mode), or start or stop video recording (in video mode).

In video mode, for **【11.Up】** button : Short press toggles the microphone on/off, while long press toggles the camera's WiFi on/off.

During video recording, press **【5.lock】** button to lock video files (prevents automatic overwriting during loop recording).

【12.】 Menu / Settings

In photo mode, press **【12.】** to enter photo menu settings as follows:

Recorder Menu

NO.	Item	Options	Description
1	Resolution	12M/10M/8M/5M/3M/2M/1.3M	Adjusts image pixel count
2	Quality	Fine/Normal/Economy	Sets image compression level
3	Sharpness	Strong/Normal/Soft	Changes image edge clarity
4	White Balance	Auto/Daylight/Cloudy/Tungsten/Fluorescent	Matches color to different lighting conditions
5	Exposure	+2.0,+5/3,+4/3,+1.0,+2/3,+1/3,+0.0,-1/3,-2/3,-1.0,-4/3,-5/3,-2.0	Adjusts image brightness
6	Quick Review	Off/2 seconds/5 seconds	Sets duration of post - shot preview
7	Date stamp	On,date,date/time	Toggles date/time overlay on media

In video mode, press **【12.】** to enter video menu settings as follows:

Recorder Menu

NO.	Item	Options	Description
1	Resolution	4K/2K/1080P FHD/720P	Adjusts video pixel count
2	Loop recording	Off/1 minute/2 minutes/3 minutes/5 minutes	Sets loop recording duration or disables
3	G-sensor	Off/High/Medium/Low	When the car occurs collision/accident, it will lock current video and can't be covered.
4	Exposure compensation	+2.0,+5/3,+4/3,+1.0,+2/3,+1/3,+0.0,-1/3,-2/3,-1.0,-4/3,-5/3,-2.0	Adjusts video brightness
5	Record Audio	On/off	Turn on/off sound record.
6	Date stamp	On/off	Toggles date/time overlay on media

Recorder Setting

NO.	Item	Options	Description
1	Park mode	On/off	Unattended surveillance.
2	ADAS	On/off	Enables or disables advanced driver assistance systems
3	Date/time	Adjustment: Years/Months/Date /Hours/Minutes/Seconds	Press the up/down button to adjust the time digits, and press the OK button to switch.
4	Auto power off	Off/1 minute/3 minutes/5 minutes	Sets auto power - off timing or disables it
5	Screen saver	Off/30 seconds/1 minute/3 minutes	Sets screen saver activation timing or disables it
6	Beep sound	On/off	Enables or disables beep prompt sound
7	Language	11 Selectable Languages	English / Thai / Simplified Chinese / German / French / Japanese / Traditional Chinese / Spanish / Portuguese / Russian / Polish
8	Frequency	50HZ/60HZ	Choose the Light source frequency
9	Flash	Off/On/Auto	Sets flash mode
10	Format	Cancel/OK	Format SD card
11	Default setting	Cancel/OK	Resets to factory default settings or cancels reset
12	Version	Version number	Displays the current version number of the device

Note:

This device can only support cameras dual to video record at the same time instead of 3 channels camera, that is front - inside camera or front - rear camera; if installed a rearview camera and choose front-inside view mode, it will automatically indicate full image of car reversing visual when you hang up "R" gear, but won't affect front-inside video record, also will automatically switch back front-inside view after cancel "R" gear. As for system update to support 3 channels camera to video record at the same time, please prevail in kind and we're sorry for no further notice.

Reset key 【RESET】

If recorder crashes and accidental operation is not a normal fault, press 【RESET】 to shutdown the device, then press 【OK】 to reboot the device.

Installation Notes

1. Please test the rear view camera firstly, if it works well then install (package without rear view lens can be ignored).
2. Turn off the car engine.
3. The TF card insert the recorder slot.
【Note】 Please use the high-speed TF card (Class10 above), capacity of not less than 4GB, TF card maximum support 32GB.
4. The recorder via a bracket fixed to the front windshield of the car.
5. Insert the car charger into the car cigarette lighter.

【Note】 When wiring, extend the charging line along the edge of the car door frame and carpet under the car.

6. Install the rear camera at the rear of the vehicle, and pay attention to the up and down direction. Wiring can be buried along the edge of the car roof laying.

【Note】 There are two ways to install the rear camera:

- a. Adsorbed on the glass above and behind the car, hands-on self-installation (Reversing visual function can not be achieved, only real-time recording rear video).
 - b. To find a professional installation staff installed in the license plate above the camera at the same time need to connect the power reversing lights (Reversing visual function can be achieved).
7. Adjust the lens position to ensure the best viewing angle.
 8. Start the engine and check that the machine is operating properly.

Features

1. Use the automatic recording function:

Start the car engine, the recorder automatically starts to open the recording function.

Close down the car engine, The recorder automatically saves the contents of the log and shuts down, recorded video segments are stored on the TF card. When the TF card is full, the recorder will overwrite the oldest recorded image preferentially.

【Note】

- a. Time segment of record can be set 1/2/3 minutes in the menu.
 - b. The video individually saved in the folder named "DCIMA" and "DCIMB" in TF card (package include rear view lens).
2. Use motion detection
In standby mode, enter the menu screen open the motion detection mode. When the lens is sensitive to the peripheral area of a moving object, the state machine into the camera, recording 30 seconds after the system stops recording.
To exit the motion detection mode, in standby mode to enter the menu screen close motion detection mode.
 3. G-sensor

The built-in gravity sensor (G-sensor), if serious vehicle collision, the recorder will lock the first 5 seconds and 10 seconds after the image date when the accident occurred while the bottom left of the display screen displays a lock icon ;locked images will be saved as a special file, the file will not be overwritten cycle.

【Note】

Gravity sensor (G - Sensor) sensitivity adjustment support may actually need to change setting in the setup menu according to their image.

4. Reversing visual function

First, you must connect the dvr with car charger, rear - view camera connect the reversing lights.

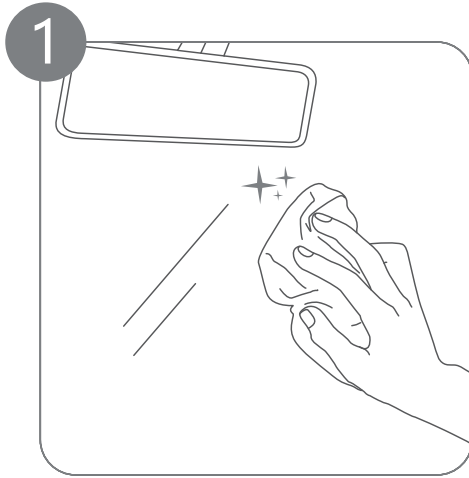
Insert the car charger, machine will automatically start recording status, screen switch R position in the recording mode automatically switches to the rear - view camera, display reverse image. After reversing visual machine automatically return to video mode.

Reminder: Please test the rearview camera is normal before installation.

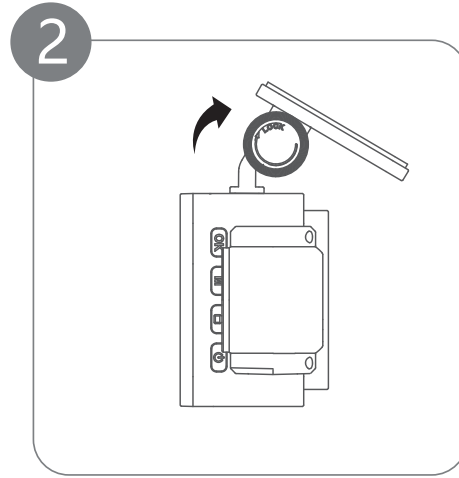
5. Parking monitor(To achieve unattended surveillance video)To achieve this function must be connected to the machine in the case of electricity, in the main menu to open the motion detection and parking monitoring function, in the standby state of the vehicle under vibration or moving objects in front, the recorder according to G-sensor to sense automatically start the machine and automatically locks the video for 30 seconds, and automatically save the video file, the video 30 seconds after 5 seconds without the operation will automatically shut down.

【Note】 This function is only used when stopping. Please turn off the motion detection and stop monitoring function during normal driving.

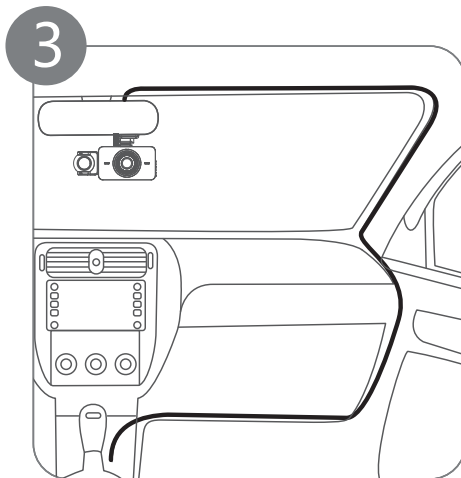
Installation Steps



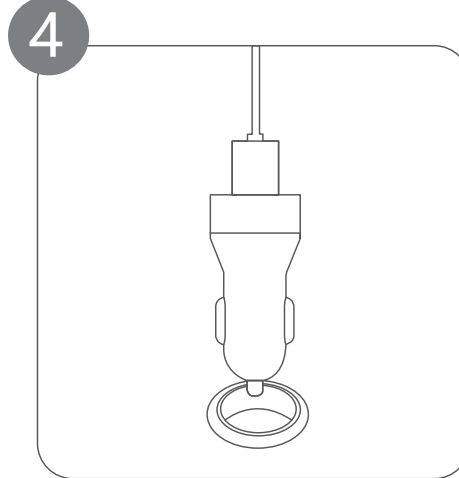
1. Wipe the front window glass clean and make sure there are no dust particles at the device installation position.



2. After confirming the suction cup adheres to the front window glass, rotate the bracket knob as shown to ensure the suction cup is firmly attached to the glass.



3. After connecting the power cord to the device, install the data cable along the positions as shown.



4. Insert the car charger into the vehicle's cigarette lighter socket to complete the installation.

FCC Requirement

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.

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