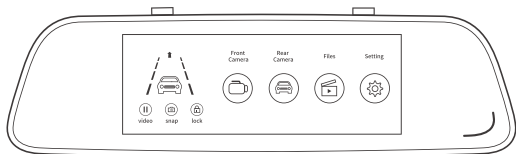


COOAU



D60

DASH CAM

USER MANUAL

Thank you for purchasing product from COOAU. Please read and follow this user manual carefully and keep it in a safe place for future reference.

COOAU consistently attaches great importance to product quality and high customer satisfaction. We sincerely hope you can make a few suggestions during your use to help us improve our products. Your precious suggestions will help us shape our business to perfectly fit your standards. We'll soon introduce series of new products for our valued customers, please share this with your friends.

Just let us know if you encounter any problems during your use. Our support team will provide you with our best solution without any delay. And all items purchased from COOAU are covered by 1 year warranty.

You can find our contact information below:

support@cooau.net

Look forward to bringing you more great products in the future.

Kind regards,
COOAU Support Team

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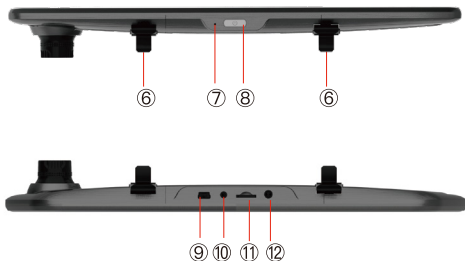
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CAUTIONS

- 1、Please use our special charger. If you have to purchase a car charger, be sure to use the following specifications:
Input: 12V, Output 5V/2A.
- 2、Do not expose to high temperatures over 50°C or direct sunlight for a long time, especially in summer.
- 3、TF card requirements: Class 10 or above, up to 32G.
(When you change to a new card, please note that you need to format the card as FAT32 format.)
- 4、Do not operate the driving recorder or watch the camera screen for a long time while driving.
- 5、Please turn on screen saver for save driving.
- 6、Do not remove the TF card during recording.
- 7、When the dash camera is dirty, please wipe it gently with a soft cloth and do not use any chemicals to clean it.
- 8、Keep it safe from falling and dropping.
- 9、In case of overheating, smoke or unpleasant smell from the device, unplug it immediately from the power outlet
- 10、to prevent hazardous fire.
Make sure the camera is securely attached to prevent it from falling, hurting passengers or being damaged.
- 11、Do not attempt to detach or modify the camera in any way, if the camera has been detached, the warranty will be void.



- | | |
|---|---------------------------|
| ① 7-inch Touch IPS Screen:
Image display. | ④ Lens:
Viewfinder. |
| ② 2.5D Glass Mirror:
Rear-view mirror. | ⑤ Speaker:
Make sound. |
| ③ Reset:
When the recorder
crashes, press the reset
button to turn off the
machine. | |



⑥ Strap Holder:
Install the dash camera to the car rear-view mirror.

⑦ Mic:
Record sound.

⑧ Power Butt:
Press and hold the Power Button for seconds to turn on/off the camera;
Press the Power Button shortly to on/off screen saver.

⑨ Mini USB Port:
Used to connect PC to transfer data;
Used to connect an external power supply to charge the battery or provide working power.

⑩ AVIN-Rear Camera Port:
Connect the rear camera.

⑪ Micro SD Slot:
Install and uninstall micro.

⑫ SD card:
GPS Jack
Link navigator.

TF CARD PRECAUTIONS

1. TF Card Requirements:

Class 10 or above, up to 32G.

We strongly recommend to use the branded memory cards, purchased from regular channels for maximum reliability and stability during recording and in high vibration activities.

2. To Insert Micro SD Card:

Insert the TF card into the card slot from the label facing the screen of the camera until the card is well fixed.

Please insert the memory card in the correct way as described in the instructions. If not, the card slot may be damaged in the wrong way.

3. To Remove Micro SD Card:

While removing the card, please gently press it down and it will eject.



4. NOTE:

- The memory card is not included in the standard package, you need to purchase an additional memory card as required.
- To avoid damage to the Micro SD card and data, do not remove or insert the Micro SD card while powered on.
- Please remove the Micro SD card carefully, as the card may jump out and be lost.
- When you change to a new card, please note that you need to format the card as FAT32 format.
- To keep your micro SD card in good condition, reformat it on a regular basis.
- If the card is not compatible with the machine, please reinsert it again or change to another card and try again.

When operate or set this dash camera with the built-in battery, we recommend using it after charging for about 20 minutes to 30 minutes. The built-in battery capacity of the dash camera is 500mA, and it is only used in emergency situations. Please charge the camera in time through the car charger while driving.

- ① Insert the USB car charger into your car's cigarette lighter socket.
- ② Insert the Micro USB into the dash cam USB port.
(Charger Specification: Input: DC 12V, Output: DC 5V 2A)

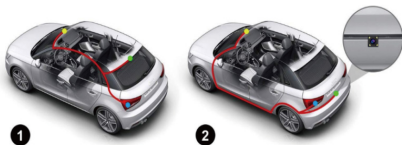
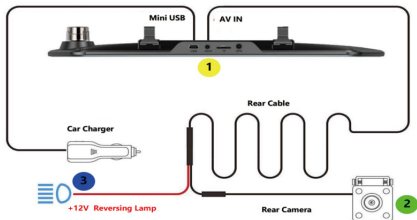
NOTE:

1. The battery takes about two hours to be charged fully.
2. When the battery is charging, the charging icon will be displayed on the screen.
3. When the ambient temperature reaches 55°C or higher, the car adapter can also supply power, but the lithium ion battery cannot be charged. This is a feature of lithium-ion batteries, which is not a malfunction.
4. When the ambient temperature is below freezing, the power can be turned on but cannot be operated.

INSTALLATION INSTRUCTIONS



1. Install the Camera with rubber straps to the car's rear-view mirror, and adjust the lens of the camera to the right angle.
2. Insert the USB car charger into your car's cigarette lighter socket.
3. Insert the micro USB into the dash cam USB port
4. Connect the rear camera's terminal (2.5 mm diameter) directly to the AVIN port of the camera.
5. Connect the red cable of the Rear camera with +12V reversing Lamp of the car.



NOTE:

1. The picture above is just an example. Please wire according to the customer's car.
2. Please install the real camera follow the instructions above carefully to avoid damage to the camera. We strongly recommend that you install it by a professional.

Auto Power On/Off:

After being connected with the car charger, it will automatically power on and start recording when the car is on and will automatically power off, stop recording and save the video when the car is off.

Power On/Off Manually:

To power on manually: Long press Power Button. The cam enters video mode.

To power off manually: Long press Power Button again. The cam shuts off.

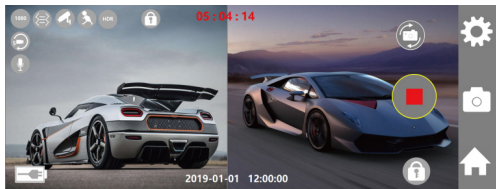
DISPLAY MODE

When the rear camera is connected to the Dash Camera, the image of the rear camera is displayed in the upper left corner of the screen. You can also switch the video display mode by touch the Video Switch button.

PIP (Picture in Picture) Mode:



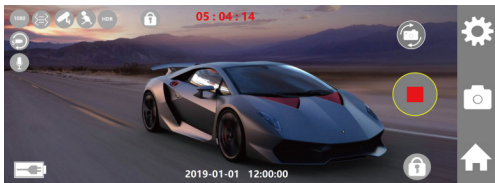
Right Left Mode:

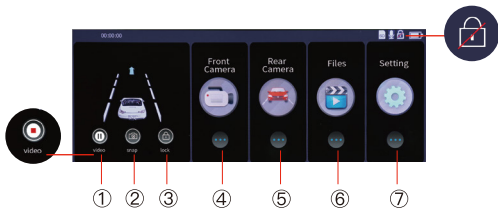


Front Camera Mode:



Rear Camera Mode:





① Video

On the home screen, tap Video icon to start recording video.

When recording, a red dot will flash in the upper left corner of the screen and the recording time will start. Tap Video icon again to stop recording video, the red dot will stop flashing and the recording time will stop.

Note: the video recorded in this mode, the video files will automatically lock, the file recording will be unlocked if you tap the Lock icon.

② Snap

On the home screen, tap Snap icon to quickly capture photos while the video is recording. When the photo is taken, the camera will emit shutter sound.

③ Lock

On the home screen, tap Lock icon to quickly lock or unlock the file recording.

When the video file is locked, a lock icon will showing in the upper right corner of the screen.

④ Front Camera

Tap Front Camera icon to quickly enter into video mode:

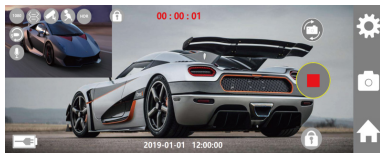
Tap Shutter icon to start recording video, tap the Shutter icon again to stop recording video.

Tap Switch icon to switch display mode between the front camera and rear camera.

Tap Setting icon to set video settings.

Tap Photo icon to switch to Photo Mode, then tap Shutter icon to take photo, and tap Setting icon to set photo settings.

Tap Home icon to return Home.



⑤ Rear Camera

Tap Rear Camera icon to quickly review the image from rear camera.

To exit, tap the Return icon to the homepage.



⑥ Files

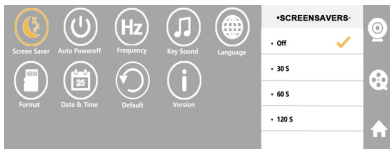
Tap Files icon to quickly enter into video playback mode and photo playback mode.

For more instructions, please refer to the detailed description in the files chapter.



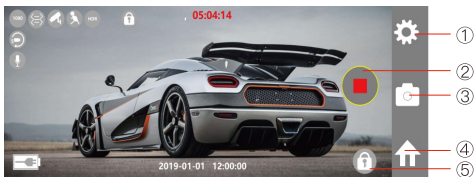
⑦ Setting

Tap Setting icon to quickly enter into system setting.



After being powered on, it enters video mode and automatically starts recording. The video recording icon is displayed in the upper corner of the screen. The red icon at the top of the screen flashes, indicating that a video is being recorded. Tap Shutter icon to stop recording.

1. Interface



- ① Video Setting
Tap Video Setting icon to quickly set desired video setting.
- ② Shutter
Tap Shutter icon to quickly start or stop recording video.
- ③ Photo Mode
Tap Photo Mode icon to quickly switch to photo mode from video mode.
- ④ Home
Tap Home icon to quickly return to home.
- ⑤ Lock
Tap Lock icon to manually lock/unlock the video recording.

2. Setting



- **Resolution: 1080P/720P/480P**

Default value: 1080P

- **Dual: Off/On**

If you turn on dual recording, the rear camera will be take video/photo together with the front camera at same time. And the video recorded by the rear camera is 480P only.

If you turn off dual recording, the rear camera will not take video/photo together with the dash camera at same time.

Default value: on

- **Cycle Time: Off/3Min/5Min/10Min**

The cam will cyclically record new videos under the time interval you set.

Default value: three minutes

- **Guard: Off/On**

After turning on Guard, the cam will automatically starts recording once it detects external force and then turn itself off if there is no external force. The premise is that you need to hardwire it with car battery.

Default value: off

- **Exposure: +3/+2/+1/0/-1/-2/-3**

By default, your camera uses the entire image to determine the appropriate exposure level. However, Exposure lets you select an area that you want the camera to prioritize when determining exposure. This setting is particularly useful in shots where an important region might otherwise be over- or underexposed.

When you change this setting, the LCD display immediately shows you the effect on your image. If you change modes, the camera returns to using the entire scene to determine the correct level of exposure.

Default value: 0

- **HDR: Off/On**

Default value: off

- **Motion: Off/On**

In standby mode, if there is any movement in front of the camera, the camera will automatically record the whole moving process. The camera will stop recording when there is no more movement.

Default value: off

- **Date Stamp:Off/On**

If you turn on date stamp, this camera adds date & time stamp to the videos or photos you take.

If you select off, this camera will not add date stamp to the videos or photos you take.

Default value: on

- **G–Sensor:Off/Low/Medium/High**

The cam automatically locks video that is being recorded once it detects shaking or collision. Files that are locked will not be overwritten/covered.

Default value: medium sensitivity

- **Audio:Off/On**

Turn off Audio Record, the camera does not record audio when you record video.

Default value: on

3. Recording

To record video manually, verify the dash camera is in video mode. And tap the Video Setting to select the desired option.

When recording, in the upper corner of the screen, a red icon will flash and the recording time will start.

Tap Video icon again to stop recording video, in the upper corner of the screen, the red icon will stop flashing and the recording time will stop.

To Start Recording:

To tap the Record icon. The camera will start to record videos, and in the upper corner of the screen, a red icon will flash and the recording time will start.

To Stop Recording:

To tap the Record icon again. The camera will stop to record video, and in the upper corner of the screen, a red icon will stop flashing the recording time will stop.

4. NOTES

- This camera automatically stops recording when the battery is out of power. Your video will saved before the camera powers off. The video will not be saved, and even the video will be damaged, if loss power during recording.
- This camera automatically stops recording when the SD card is full, if the loop recording function is turn off.

1. Interface

Verify the camera is in Photo Mode:



① Photo Setting

Tap Photo Setting icon to quickly set desired Photo settings.

② Shutter

Tap Shutter icon to take Photos.

③ Video Mode

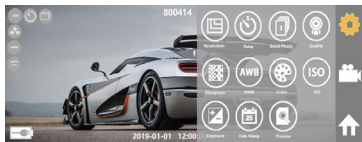
Tap Video Mode icon to quickly switch to Video Mode from Photo Mode.

④ Home

Tap Home icon to quickly return to home.

2. Setting

Verify the camera is in Photo Setting Mode, and select desired option as below showing:



Resolution: VGA/1M/2M/3M/5M/8M/10M

Default value: 2M

Delay: Single/Delay 2s/Delay 5s/Delay 10s

Take a photo at the set time.

Default value: single

Burst Photo: Off/On

Burst photo up to 3 photos in one time, so it is perfect for capturing fast-moving activities.

Default value: off

Quality: Good/Standard/Economy

Default value: good.

Sharpness: Strong/Standard/Soft

Sharpness controls the quality of details captured in your video footage or photos.

Default value: strong

AWB: Auto/Sunlight/Cloudy/Tungsten/Glittery

White Balance lets you adjust the color temperature of

videos and photos to optimize for cool or warm lighting conditions. When you change this setting, the LCD display immediately shows you the effect on your image.

Default value: auto

Color: Normal/Gray/Sepia

Default value: Normal.

ISO: Auto/100/200/400

ISO determines the camera's sensitivity to light, and creates a trade-off between brightness and resulting image noise. Image noise refers to the degree of graininess in the image. In low light, higher ISO values result in brighter images, but with greater image noise. Lower values result in lower image noise, but darker images. When you change this setting, the LCD display immediately shows you the effect on your image.

Default value: auto

Exposure: +3/+2/+1/0/-1/-2/-3

By default, your camera uses the entire image to determine the appropriate exposure level. However, Exposure lets you select an area that you want the camera to prioritize when determining exposure. This setting is particularly useful in shots where an important region might otherwise be over- or underexposed. When you change this setting, the LCD display immediately shows you the effect on your image. If you change modes, the camera returns to using the entire scene to determine the correct level of exposure.

Default value: 0

Date Stamp: Off/On

If you select on, this dash camera adds date stamp to the videos or photos you take.

If you select off, this dash camera will not add date stamp to the videos or photos you take.

Default value: on

Preview: Off/2s/5s

If the preview is turned on, when the photo is taken, it will not return to the photo mode immediately. Instead, you can preview the photos for a period of time and automatically go back to the photo mode.

Default value: off

3. Capture Photo

To capture photo, verify the camera is in desired Photo Mode and select the desired option.

To capture a photo:

In the Photo mode, tap the Shutter icon. The camera will emit the camera shutter sound.

To capture delay photo:

Verify the camera is selected desired Delay option, tap the Shutter icon, the camera will initiate countdown and emit shutter sound as soon as a photo is taken.

To capture a Burst Photo series:

Verify the camera is selected Burst Photo option, tap the Shutter icon, the camera will emit shutter sound each time a photo is taken.

1. Interface

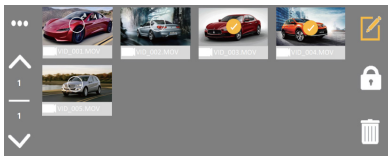
Verify the dash camera is in **files** mode, if your micro SD card contains a lot of content, it might take a minute for it to load.



① Select

Tap the **Select** icon to select the folders or files to be locked/unlocked/deleted.

Tap the **Select** icon again to cancel.



② Media Type

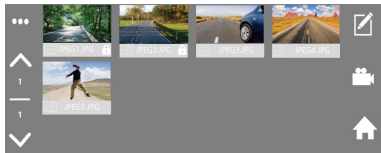
Tap the **Select** icon to select the folders or files to be locked/unlocked/deleted.

Tap the **Select** icon again to cancel.

Video Files:



Photo Files:



Locked Files: 



③ Home

Tap Home icon to quickly return to home.

④ Return

Tap Return icon to quickly return to the previous step.

⑤ Folder

Tap Folder icon too quickly to albums.

Note:

Folder1: all files recorded by the dash camera.

Folder2: all files recorded by the rear camera.



⑥ Previous Page

Tap the Previous Page icon to quickly get to the previous page.

⑦ Next Page

Tap the Next Page icon to quickly get to the Next page.

2. Preview

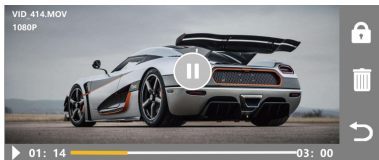
Verify the camera in the files, tap the desired thumbnail to enter the video/photo playback mode directly.



- 1) If the desired file is a video file, tap the Play icon to play the desired file.



- 2) Tap the screen during video playback, Pause icon will be displayed shortly in the middle of the screen, tap the Pause icon quickly, the video will pause playing.



Tap the Play icon again to continue playback.



Note:

In Video/Photo Playback mode, tap the Return icon to quickly return to previous step.

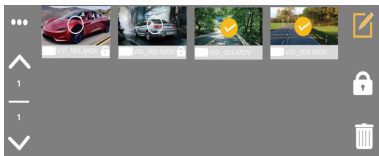
Any operation is invalid during video playback.

3. Lock/Unlock Files

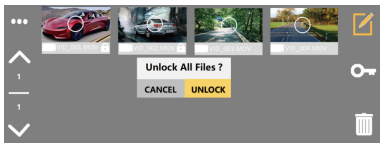
- 1) Verify the camera in Video/Photo Playback mode, tap the Lock icon to quickly lock/unlock the currently file. Video files cannot be locked/unlocked during video playback.



- 2) Verify the camera in the albums, tap the select icon first, then select target file/files, and tap the Lock icon to quickly lock/unlock file/all files, a lock icon will show in the file if the file is locked, if not, the file is unlocked.

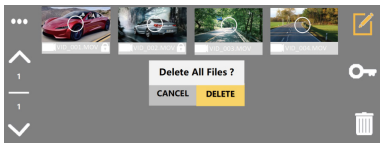


- 3) Verify the camera in the albums of Locked Files, tap the select icon first, then tap the Lock icon directly to quickly unlock all files, the lock icon in the file will disappear, if the files are unlocked.

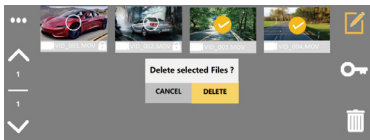


4. Delete files

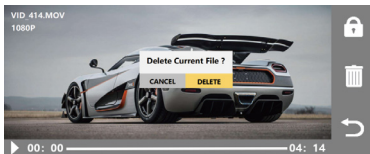
- 1) Verify the camera in the albums, tap the select icon first, and then tap the Delete icon directly to quickly delete all files. If the files are locked, please unlock files first, then delete the file.



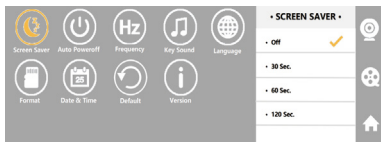
- 2) Verify the camera in the albums, tap the select icon first, then select target file, and tap the Delete icon to quickly delete selected file. If the selected file is locked, please unlock file first, then delete the file.



- 3) Verify the camera in playback mode, tap the Delete icon to quickly delete current file. If the current file is locked, please unlock the file first, then delete the file.



Verify the camera is in System Setting:



- **Screensavers: Off/30s/60s/120s**

After the function is enabled, the screen automatically goes black within the set time while it does not affect normal recording. (Note: this function only works when there is no operation on it or the cam is not recording.)

Default value: 30s

- **Auto–Power Off: Off/3 Min/5 Min/10 Min**

After the function is enabled, the cam automatically turns off within the set time interval. (Note: this function only works when there is no operation on it or the cam is not recording.)

Default value: off

- **Frequency: 50Hz/60Hz**

Default value: 50 Hz.

- **Key Sound: Off/On**

Sets the volume of your camera's alerts.

Default value: on

- **Language:** Simplified Chinese / Traditional Chinese / English / Japanese / German / French / Italian / Spanish

Sets the language that appears on the camera.

- **Format:**

To keep your micro SD card in good condition, reformat it on a regular basis. Reformatting erases all of your content, so be sure to offload your photos and videos first.

- **Date & Time:**

Default setting is YYYY / MM / DD 00:00:00

- **Default Setting:**

This option resets all settings to their default values.

- **Version: Check the camera's version**

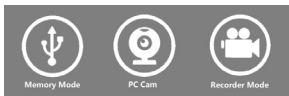
You can check the brand, model, version and updated time of your camera.

NOTE:

FW version is the main information of firmware upgrade, troubleshooting and after-sales. If necessary, please provide the software version information to our after-sales team so that we can serve you in time.

CONNECT TO COMPUTER

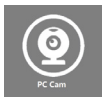
After turning off the power, connect the Micro USB port of the camera to the USB port of the personal computer using a USB cable (not a complimentary accessory). “Memory Mode/PC Cam/Recorder Mode” is displayed on the main unit screen.



When “Memory Mode” is selected, the personal computer can recognize the unit and perform data transfer and file copy/delete operations on the PC.



When “PC Camera” is selected, the camera function of the personal computer is turned on, and the screen of the camera can be seen on the personal computer. The product can also be used as a camera for personal computers.



When “Recorder Mode” is selected, the computer will be a power bank, the camera will turn on and charge.



Q: Why the camera always appear “no card inserted”?

A: Please check if the memory card intact, if it is intact

1. Please ensure that the memory card is class 10 and above.
2. Format the memory card on computer firstly. When you format it on computer, please choose “FAT32 (Default)” on File system, and choose “32 kilobytes” on Allocation unit size.
3. Format it in the camera.

Q: The image is blurry.

A: Please check whether there is dirt fingerprint at the lens; if it is, please wipe the lens with lens paper before shooting

Q: The camera lose power often.

A: Due to different vehicle designs, please rotate the car charger to adjust it keep stable.

Q: The camera unable to be turned on.

A: Please make sure that whether the charge indicator light is on or off, if off, please re-insert the car charger and reset the camera.

Q: The camera doesn't record automatically after turning on.

- A:**
1. Check whether the memory card is full or no.
 2. Reformat the card, if this problem exists, please change a new card.

Q: The video has no voice.

A: Please confirm whether audio record function have turned off in the system setting.

Q: The camera keeps turning on and off automatically.

A: please charge the camera via USB car charger, do not charge the battery via the USB data cable with other adapters.

Q: The driving recorder is hot. Is this normal?

A: It is normal for heat to be used in the normal temperature range. If the device produces unnecessary smoke or odor, it should be stopped immediately.

Q: The machine will not turn off even if the car engine is turned off.

A: If the video mode is running, the machine will not turn off even if the car engine is turned off and the key switch is turned off.

Q: Screen freeze/button cannot be operated

A: Press the reset button on the side of the main unit and restart the system.

