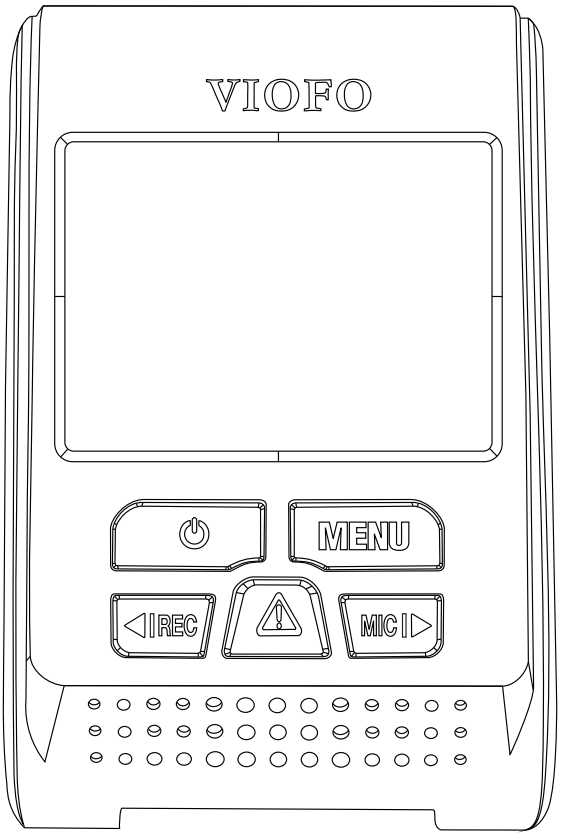
VIOFO®

A119

QUICK START GUIDE



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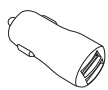
Notice

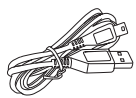
- Do not install or operate the camera with wet hands.
- Do not install the camera in a humid location or anywhere near liquids and inflammable gases. The camera should be installed/mounted in a location that does not compromise the driver's visibility and safety.
- Do not leave the camera installed/mounted inside an airtight vehicle being exposed to extreme heat.
- Do not use power that exceeds the rated voltage.
- Use only the original charging cable. The manufacturer is not liable for damage resulting from use of other charging cables.
- Do not disassemble the camera or its charging cable. Do not cut the charging cable. Damage caused will not be covered under warranty.
- Do not press the lens forcefully.
- Do not use any sharp objects on the camera or its accessories.
- Do not remove the Micro SD card when the camera is recording or shutting down (avoids file damage).
- It is recommended to use a class 10 Micro SD card with a capacity of 8GB or more (maximum supported capacity is 128G).
- To ensure stable read and write operations, it is necessary to format the Micro SD card in-camera before initial use.
- Do not interrupt the power supply during a system upgrade, or else the camera may not boot
- Product features/functions and content of this manual may change without further notice.

Installation

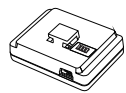
Accessories



Car Adapter



Mini USB Cable



GPS Mount (optional)

Non-GPS Mount x 2

Clips

Mount Detaching String

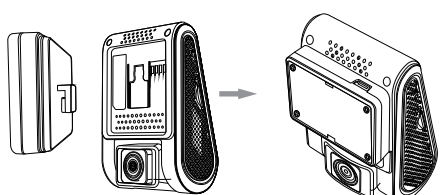
Note:

The long mini USB cable is for charging, the short USB cable is for transferring files while connecting the camera with computer.

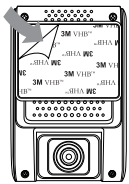
Installation Method

1) Install the Mount

① Slide the mount into the slot on the back of the camera.



② Peel the glue protector off the 3M sticker.



③ Choose a suitable location to install/mount the camera; ensuring that it provides the best possible view.

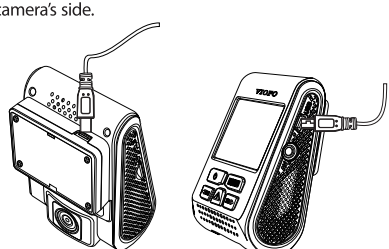
2) Connect to Car Charger

Plug the USB charging adapter into your vehicle's 12V/24V female power socket. Insert the Mini USB cable's male port into the camera's female Mini USB port.

Note:

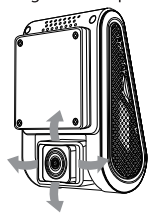
① For GPS version mount, use the female Mini USB port on the mount or on the camera's side.

② For non-GPS version mounts, use the female Mini USB port on the camera's side.



3) Adjust the View Angle

Adjust the angle by moving the lens up/down.



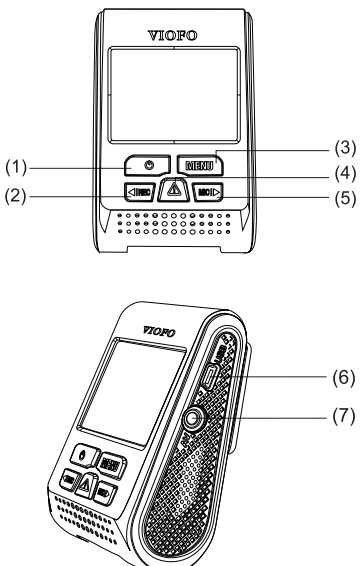
Tips:

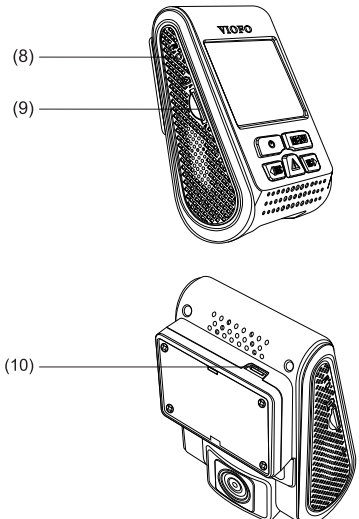
- Do not turn on 'Motion Detection' unless your vehicle is parked. If 'Motion Detection' is enabled while driving, the camera may not record continuously.
- It is recommended to keep the G-sensor set to 'Medium' (default setting).
- Do not install/mount the camera in a location that interferes with the driver's visibility and safety.
- Install/mount the camera close to the rearview mirror so that both sides of the scene being recorded are equally covered by the camera's FOV (field of view).
- To ensure a clear view on rainy days the lens should be positioned within the windshield wiper's sweeping range.
- Do not install/mount the camera on or near airbag panels.
- Installation/mounting location should not be affected by sun control film (window tint). There should not be any other electronic equipment close to the camera for optimal performance.

Note: Do not install/mount the camera on or near an airbag panel or within the airbag's working range. The manufacturer is not liable for any injury or death caused by deployment of the airbag.

Introduction

Interface





(1) Power (2) Rec/Left (3) Menu (4) Emergency/Confirm
(5) Mic/Right (6) Mini USB Port (7) AV Out (8) Reset
(9) Micro SD Card Slot (10) USB Port

LED

LED Color	Behavior
Solid Red	Power ON, Recording
Flashing Red	1. Power ON, not recording 2. Upgrading

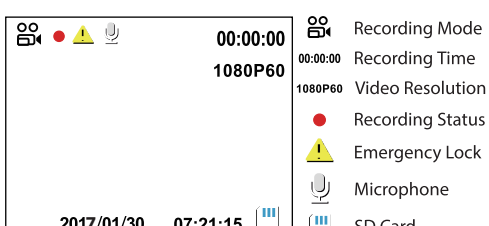
Buttons and Icons

Mode	Buttons	Behavior
Stand-by Mode	⏻	To turn on/off device
	MENU	Click once to enter the settings menu
	⚠	Enter Playlist
	◁‖REC	Click once to start recording
	MIC‖▷	Click once to disable audio recording, Click again to enable audio recording

Recording Mode	⏻	Click once to turn the screen OFF, Click again to turn the screen ON
	MENU	Click once to capture a photo
	⚠	Click once to lock the file being recorded
	◁‖REC	Click once to stop recording
	MIC‖▷	Click once to disable audio recording, Click again to enable audio recording

Playlist Mode	⏻	To turn on/off device
	MENU	Back to previous menu
	◁‖REC	1. To select the last video 2. To delete the video
	MIC‖▷	1. To select the next video 2. To lock/unlock the video
	⚠	1. To enter the video selected 2. To play/pause the video

Setting Menu Mode	⏻	Click once to turn the screen OFF, Click again to turn the screen ON
	MENU	One click can back to recording mode
	◁‖REC	To select the last feature
	MIC‖▷	To select the next feature
	⚠	To enter the feature selected



Operation

1) Switch ON

Insert the Micro SD card into the camera's card slot. Plug the USB car adapter into the vehicle's 12V/24V female power socket, connect the Mini USB cable's USB port end to the USB car adapter and the Mini USB end to the camera's female Mini USB port. Start the engine, the device will switch ON automatically.

2) Switch OFF/ON

① Automatic: When the camera is ON, simply turn OFF the engine or unplug the charging cable and the camera will switch OFF automatically.
② Manual: Switching the camera OFF manually is required for vehicles where the 12V/24V female power socket provides continuous power after the engine is turned OFF.
③ When the camera is ON, press and hold the power button for at least 5 seconds to turn the camera OFF.
④ Press the power button for at least 3 seconds to turn the camera ON.

3) Loop Recording

① Insert a Micro SD card into the camera's card slot and automatic loop recording will begin once the camera detects power.
② Time frame for each video file is 1/2/3/5/10 minutes.
③ When there is insufficient space on the Micro SD card, loop recording will automatically overwrite the oldest files (one by one).
④Loop recording files are saved to SD card:\DCIM\Movie folder.

4) Emergency Recording

① Automatic emergency recording
When the G-sensor is activated due to a collision, current footage will be automatically locked to avoid being overwritten by loop-recording.
(**Note:** Collision sensing feature can be adjusted in settings under the "G-sensor" option)
② Manual emergency recording
Pressing the emergency record button during a recording will lock the current file being recording. Once locked, the file will not be overwritten by the loop-recording feature.

5) Motion Detection

If turned ON, the camera will start recording on detecting any movement within its FOV (field of view). Once the camera does not detect any movement for 60 seconds, it will stop recording and go back to 'Motion-Detection' mode. Recording will resume if any new movement is detected.

6) Play

① Under video mode, press [⚠] button to access the playlist.
② Use the arrow buttons [◀REC ▶CAP] to select the desired video and press the [⚠]button to play.
③ Press the menu button to exit.

7) PC Mode

①Connect the camera to a computer using a Mini USB cable.

② Device will automatically turn on and "Mass Storage" will be displayed.

③ The computer will detect "removable disk".

④ There will be three folders under DCIM folder:

\Movie (loop recording video files)

\EMR (Emergency recording video file)

\Picture (Video snapshot)

⑤ Copy file are needed to computer drive.

8) Mute

During a private conversation, pressing the 'Mic' button will mute the audio.

9) Firmware Upgrade

① Download latest firmware, unzip the file. Copy & paste or drag & drop the .bin file to the root of the Micro SD card.

② Insert the Micro SD card into the camera's card slot once the transfer is completed.

③ Plug into a power source and then turn the camera ON.

④ LED indicator will start flashing to confirm the update's progress.

⑤ The camera will automatically reboot after the upgrade is completed.

⑥ Currently installed firmware version can be verified by accessing the 'Version' tab within the settings menu (last tab).

Note:

• Before using a Micro SD card to upgrade the firmware, formatting the card in-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 fail from booting.

Setting

Press the 'Menu' button to access the settings menu (recording needs to be stopped)

- **Resolution:** Video resolution setting, 2560x1440P 30fps, 2304x1296P 30fps, 1920x1080P 60fps, 1920x1080P 30fps, 1280x720P 120fps, 1280x720P 60fps, 1280x720P 30fps are available for selection.
- **Loop Recording:** Off/1/2/3/5/10 minutes.
- **Exposure:** Adjust the EV (exposure value) suitably can produce better footage under different lighting conditions.Range is from -2.0 up to +2.0. Default is set at 0.0.
- **WDR:** Enable/disable WDR(Wide Dynamic Range)
- **Time-lapse:** Record video in time lapse mode.
- **Motion Detection:** If turned ON, the camera will start recording on detecting any movement within its FOV (field of view). Once the camera does not detect any movement for 60 seconds, it stops recording and goes back to 'Motion-Detection' mode. Recording will resume if any new movement is detected.
- **GPS:** Turns ON/OFF GPS tracking. If disabled, the camera will no longer measure the vehicles speed and positions; nor synchronize the time and date.
  (Only available if connected to a GPS signal)
  Please use "Dashcam Viewer" to playback videos and to visualize your position and speed on your computer.
- **G-sensor:** The G-sensor measures g-shock forces. The setting from 'Low' to 'High' determines the amount of force needed to lock the file from being overwritten by loop-recording. We recommend leaving it set to 'Low'.
- **LDWS (Lane Departure Warning System) :** If your vehicle veers out of its lane, LDWS warns you by sounding an alarm.

- **FCWS (Forward Collision Warning System) :** When your vehicle gets close to the vehicle in front of you, FCWS warns you by sounding an alarm.
- **Plate Stamp:** Imprints a customized set of 6 digits to the recorded video. Useful to add license plates or identifying features.
- **Date Stamp:** Imprints the time and date on the recorded video.
- **Record Audio:** Turns the microphone ON or OFF. This can be also activated by pressing the 'Mic' button while the camera is recording .
- **Screen Saver:** Turns the screen OFF after a set time .
- **LED:** Turns the LED light ON/OFF.
- **Date/Time:** System date/time setting.
- **Time Zone:** Sets the current time zone for GPS time and date calibration .

  Note: the time zone must be manually adjusted for daylight savings .
- **Language:** Display language setting (English, Traditional Chinese, French etc.).
- **Beep Sound:** Turns all notification sounds ON/OFF.
- **Frequency:** Frequency adjustment setting to minimize flickering and banding in recorded video.
- **Format :** The operation will delete all data on the Micro SD card.

  Note: Once you format the Micro SD card, all information will be deleted and cannot be restored. Make sure you backup all important files before proceeding.
- **Format Warning:** Sets the number of days between format warnings.
- **Default Setting:** Restore camera to factory defaults.
- **Version :** Current firmware version check.
- **Customize Text:** Imprints customized text on the recorded