

Notes on Installation

1. Do NOT setup the camcorder while driving or while the vehicle is in motion. Please stop at a safe place before adjusting or installing.
2. Install the camcorder above the rear-view mirror to obtain the best open-field view. Do NOT install the camcorder in a location that will obstruct your required driving view.
3. Make sure that the lens is within the wiping range of the windscreen wiper to ensure a clear view even when it rains.
4. Do not touch the lens with your fingers. Finger grease may be left on the lens and will result in unclear videos or snapshots. Clean the lens on a regular basis.
5. **We have provided 2 mounting brackets with this HP Car Camcorder. The suction cup bracket is designed for temporary mounting and will require periodic re-installation. The adhesive bracket is designed for one time and long term installation. We recommend using the adhesive bracket if permanent installation is desired. Please install the bracket on the best open-field view. Do NOT install the bracket in a location that may obstruct your field of view and impact driving safety. HP or our authorized HP partners are NOT liable for any damages or data loss due to improper bracket mounting or suction cup bracket losing seal and dropping.**

Battery warning

- ❖ Never dismantle, crush, or pierce the battery, or allow the battery to short-circuit. Do not expose battery being placed in high temperature environment, if battery leaks or bulges, stop continue to use.
- ❖ Always charge using the system. Risk of explosion if battery is replaced by an incorrect type.
- ❖ Keep the battery out of reach of children.
- ❖ Batteries may explode if exposed to naked fire. Never dispose of batteries in a fire.
- ❖ Never replace the battery on your own; have the dealer do it for you.
- ❖ Disposed of used batteries observing local regulations.

Caution

- ❖ Never disassemble or attempt repair of this product. Doing so may damage the camcorder, cause electric shock and void your product warranty.
- ❖ Set up time and date accurately before you use this camcorder.
- ❖ Exposing the camcorder to open flames can cause explosion.
- ❖ Due to local laws and vehicles safety considerations, do not manually operate the camcorder while driving.
- ❖ The values displayed in this system, such as speed, position, and the distance warning to the speed camera set points, may be inaccurate due to the influence of surrounding environment. They are for your reference only.
- ❖ HP Inc. Company is NOT responsible for the loss of any data/content during operation.

For more operation details, please refer to CD-ROM.

1 Introduction

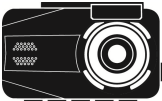
Thank you for purchasing this advanced camcorder. This camcorder is specifically designed for real time video and audio recording when driving.

1.1 Features

- SONY Sensor, low light enhancement
- Full HD 1920*1080
- Up to 155 Degree Wide Angle Glass Lens & IR-Filter
- Built-in G-sensor
- Collision Detection
- Emergency Recording File
- Advanced Driver Assistance Systems (LDWS, FCWS)
- Parking Mode

1.2 Package Contents

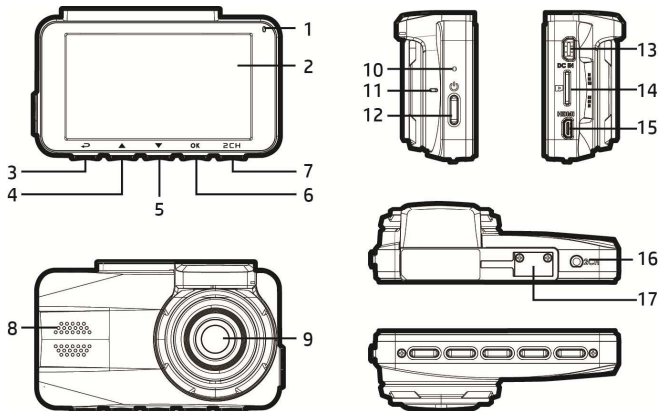
The package contains the following items. If there are any missing or damaged items, contact your dealer immediately.

Car camcorder 	Bracket X 2 	CD-ROM 
Quick start guide 	Car charger 	Rear Camera (option) 

Note:

We recommend using the adhesive bracket if permanent installation is desired. Do NOT install the bracket in a location that may obstruct your field of view and impact driving safety. HP or our authorized HP partners are NOT liable for any damages or data loss due to improper bracket mounting or bracket losing seal and dropping.

1.3 Product Overview



No.	Item
1	LED Indicator
2	LCD Color Screen
3	Menu / Back Button (≡ / ↶)
4	Playback / Up Button (▶ / ▲)
5	Snapshot / Down Button (📷 / ▼)
6	Emergency Recording / Confirm Button (⚠ / ⏹)
7	Switch Camera Button (🔄)
8	Speaker

No.	Item
9	Wide Angle Lens
10	Reset
11	Microphone
12	Power Switch
13	Power Connector Port
14	Memory Card Slot
15	HDMI Connector Port
16	Rear camera connector port (option)
17	Bracket Socket

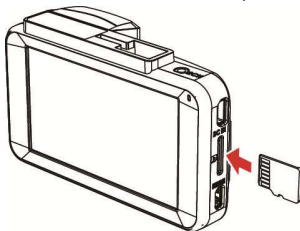
Note:

Please press the button (3~7) according to the diagram notice shown on screen.

2 Getting Started

2.1 Inserting the Memory Card

Insert the memory card with the gold contacts facing the back of the camcorder. Push the memory card until it clicks into place. (Use class 10 or greater speed micro SD cards for this camcorder; It is recommended to format the micro SD cards before the initial use.)



To remove the memory card

Push the edge of the memory card inward until you hear/feel it click, then allow it to push out until you can remove it from the slot.

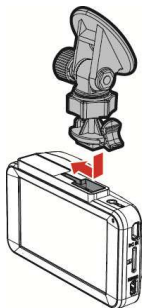
Note:

1. Do not remove or insert the memory card when the camcorder is powered on. This may damage the memory card.
2. It is recommended to use a 32 GB, Class 10 speed or above micro SD card.
3. It is recommended to format the micro SD cards before the initial use.

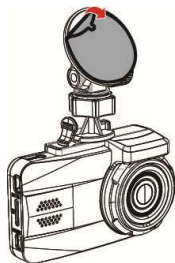
2.2 Installing in Vehicles

2.2.1 Mount to Windshield

1. Push the mount into mount slot on top of device, until a click sound is heard.



2. Peel off the protective plastic sheet from the adhesive bracket.

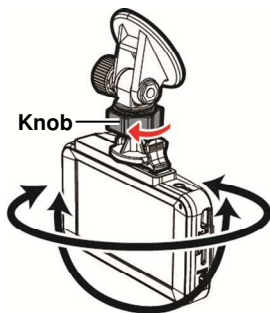


3. Place and press down the bracket firmly onto your windshield. Make sure the base is securely locked in place.



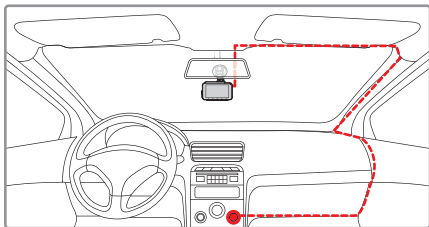
2.2.2 Adjust the device position

1. Loosen the knob to swivel the device vertically or horizontally.
2. Then tighten the knob to make sure the device is securely locked in place.



2.3 Connecting to Power

Use only the supplied car charger to power up the camcorder and charge the built-in battery.



1. Connect one end of the car charger to the USB connector of the camcorder. USB port input: DC 5V / 1A.
2. Plug the other end of the car charger to the cigarette lighter socket of your vehicle. Once the vehicle engine is started, the camcorder automatically powers on. Car charger input: DC 12 / 24V.

Note:

Please take note if the environment temperature reaches 45°C or above, the car charger still can supply power to camcorder, but it may not charge the battery. This is characteristic of Lithium polymer battery and is not a malfunction.

2.4 Powering the Camcorder On / Off and Reset

2.4.1 Auto Power On/Off

Once the vehicle engine is started, the camcorder automatically powers on. And the recording will automatically start.

Once the vehicle engine shuts down, the camcorder automatically saves the recording and turns off the power within 10 seconds.

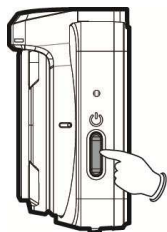
Note:

Automatic power up and shut down assumes the power socket is linked to the car ignition.

2.4.2 Manual Power On/Off

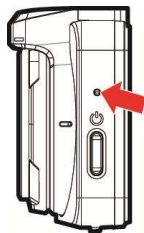
To manually turn on the power, press the **POWER** button.

To turn off, press and hold the **POWER** button for at least 2 seconds.



2.4.3 Reset

Use a pin or paper clip to insert and hold the Reset hole for 5 seconds to reset the device.

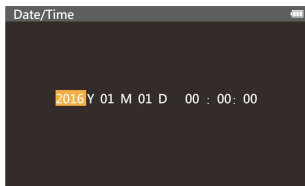


2.5 Initial Settings

2.5.1 Set the Date and Time

To set the correct date and time, do the following:

1. Press the  /  button to enter the OSD menu.
2. Press the  or  button to select Date / Time and press the  button.
3. Press the  or  button to adjust the value and press the  button to move to another field.
4. Repeat step 3 until the date and time setting is complete.
5. Press the  button to exit the Date/Time settings. Press the  button again to exit the settings menu and return to the live view mode.



Note:

When the battery is depleted, you must reset the date/time before the function -automatic record is started.

3 Using the Camcorder

3.1 Recording Videos

3.1.1 Record videos while driving

When the vehicle engine starts up and the *Automatic Record* function is enabled, the camcorder automatically turns on and starts recording. Recording will automatically stop when the engine is switched off.

Note:

1. On some cars, the recording will continue when the engine is switched off. If this happens, please manually turn off the cigarette lighter or remove the car charger from the cigarette lighter.
2. It can be configured to save a video file for every 30 seconds, 1 minute or 3 minutes of recording.
3. The camcorder saves the recording in the memory card. If the memory card capacity is full, the oldest file in the memory card will be overwritten.
4. Using front and rear dual camera recording video or taking photo, the recorded files will be saved in **Front camera** folder and **Rear camera** folder separately.

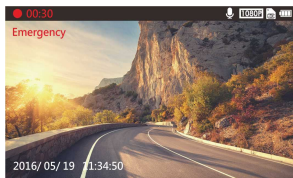
3.1.2 Emergency Recording

This Car Camcorder is equipped with a sensor that is designed to detect collisions and automatically trigger the Emergency Recording feature. The “Emergency” icon will be displayed if this feature is initiated as illustrated. The Emergency Recording video will not be overwritten via the normal loop recording function of this product.

To manually initiate the Emergency Recording feature, press the

Ⓚ/⚠ button during the normal recording function.

To stop the emergency recording, press the ⏏/⏪ button.



Note:

1. If the *Collision Detection* function is enabled and a collision is detected, the camcorder will automatically trigger the emergency recording feature.
2. The emergency file is created as a new file and save in Event folder, which will be protected to avoid being overwritten by normal loop recording. The emergency video folder will occupy 40% of available memory card capacity. For example, if you use 8GB memory card, about 3.2GB memory space will be saved for emergency files. When the emergency video folder is full, the oldest emergency file will be automatically deleted by the newest emergency file.

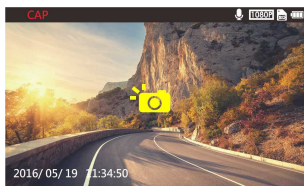
3.1.3 Taking Photographs

You can also use this camcorder to take snapshots of the current scene.

1. In recording status, press

 /  to capture recording screen shots from the front lens.

2. When the icon  shows in the central of screen, it means the screenshots is completed.



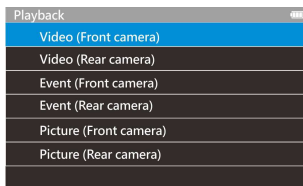
Note:

The picture resolution is limited by the speed of the target object and changes in ambient lighting. The photograph function is better used for taking still pictures in accident scenes or when the car is stopped to wait for a traffic light.

3.2 Playback Videos and Photos

1. If recording is in progress, press the  /  button to stop recording and enter the playback menu.

2. Press the  or  button to select the file category that you want to browse and press the  button to display thumbnail images of the recorded video or photo files.
3. Use the  or  to select the video or photo you want to playback, and press  button to confirm your selection.



3.3 Driving Safety

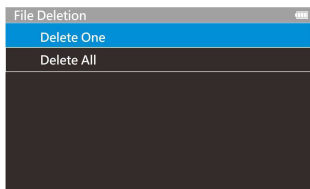
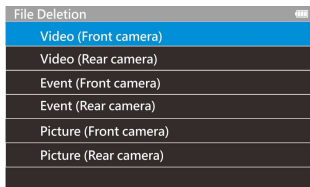
The following driving safety function is for reference only. Drivers are advised to exercise discretion based on actual road conditions.

Menu option	Description
Parking Mode	To monitor the vehicle when it is parked, you can activate Vibration Detection , or Motion Detection . You can extend the power by using ACC cable or power bank. For more details, please check user manual on CD.
Collision Detection	If Collision Detection is activated, this camcorder starts emergency recording once it detects any collision.
LDWS	Once the LDWS function is enabled, this camcorder produces audible alert and screen message when you drive off of or change lanes.
FCWS	Once the FCWS is activated, camcorder will issue audible alert and screen message when the distance with the front vehicle is less than 20m.

3.4 Deleting Files

To delete file(s), perform the following steps:

1. Press the  /  button to stop recording and enter the main Menu.
2. Press the  or  button to select File Deletion and press the  button to confirm.
3. Press the  or  button to select folder and press the  button to confirm.
4. Use the  or  to select the video or photo you want to delete, and press  button to confirm your selection.



Item	Description
Delete One	Delete the current selected file.
Delete All	Deletes all files in this folder.

5. Press the  button to confirm deletion.

Note:

1. Deleted files CANNOT be recovered. Ensure the files you wish to preserve are backup before deletion.
2. If the file is taken by front camera and rear camera at the same time, no matter you delete video or picture from **Front camera** folder or **Rear camera** folder, both front camera file and rear camera file will be deleted.

FCC Statement:

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.

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.

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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator&your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.