



f300

Car Camcorder

User Manual

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About this Guide

The content in this document is for information purpose and is subject to change without prior notice. We made every effort to ensure that this User Guide is accurate and complete. However, no liability is assumed for any errors and omissions that may have occurred. The manufacturer reserves the right to change the technical specifications without prior notice.

FCC Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

WEEE Notice

Disposal of Waste Electrical and Electronic Equipment and/or Battery by users in private households in the European Union



This symbol on the product or on the packaging indicates that this can not be disposed of as a household waste. You must dispose of your waste equipment and/or battery by handling it over to the applicable take-back scheme for the recycling of electrical and electronic equipment and/or battery. For more information about recycling of this equipment and/or battery, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

CE Regulatory Notice

Here with confirm to comply with the requirements set out in the Council Directives on the Approximation of the Laws of the Member States relating Electromagnetic Compatibility of Radio and Telecom device (1995/5/EC); the Low Voltage Directive (2006/95/EC); the Restriction of The Use of Certain Hazardous Substances in Electrical And Electronic Equipment Directive (2002/95/EC), Turkish EEE Directive; the Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment, and the Directive 2009/125/EC of the European parliament and of the council establishing a framework for the setting of eco-design requirements for energy-related products.

Notes on Installation

1. Install the device near 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.
2. Make sure that the lens is within the wiping range of the windscreen wiper to ensure a clear view even when it rains.
3. 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.
4. Do not install the device on a tinted window. Doing so may damage the tint film.
5. Make sure that the installation position is not hindered by the tinted window.

Caution

- ❖ Use the authorized charger only.
- ❖ Never disassemble or attempt repair of this product. Doing so may damage the camcorder, cause electric shock and void your product warranty.
- ❖ Never short-circuit the battery.
- ❖ Exposing the camcorder to open flames can cause explosion.
- ❖ Due to local laws and vehicles safety considerations, do not manually operate the device while driving.
- ❖ Hewlett-Packard Company is NOT responsible for the loss of any data/content during operation.

Before you start using the Car Camcorder it is assumed that you agree to the above statements.

1 Introduction

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

1.1 Features

- Full HD camera (1920x1080 @ 30fps)
- 2.4" LCD color screen
- Up to 130 degree Wide angle lens
- Motion detection
- Automatic Emergency recording for collision detection
- Supports micro-SDHC up to 32GB (Class 6 or greater speed required for HD video recording)

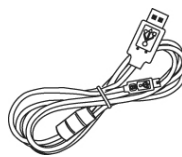
1.2 Package Contents

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

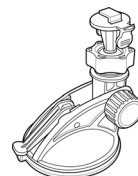
Car Recorder



USB cable



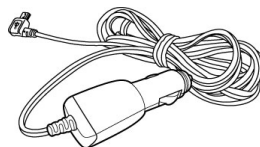
Bracket



Quick start guide

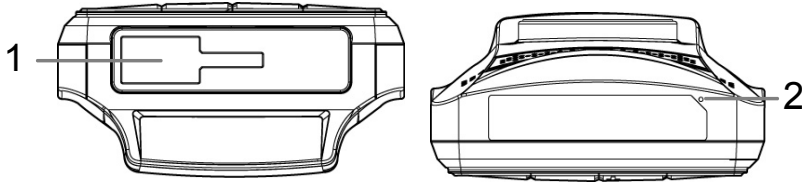


Car adapter

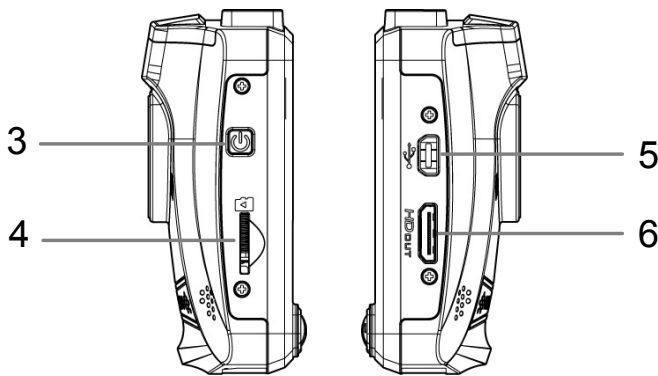


1.3 Product Overview

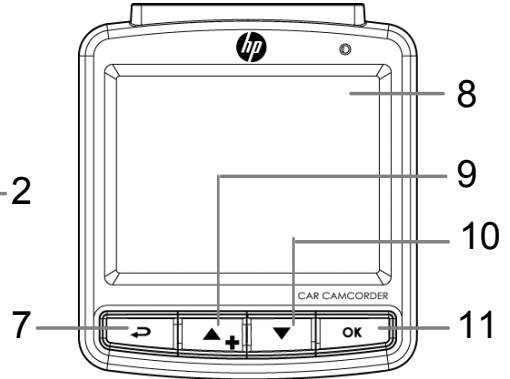
Top and Bottom Views



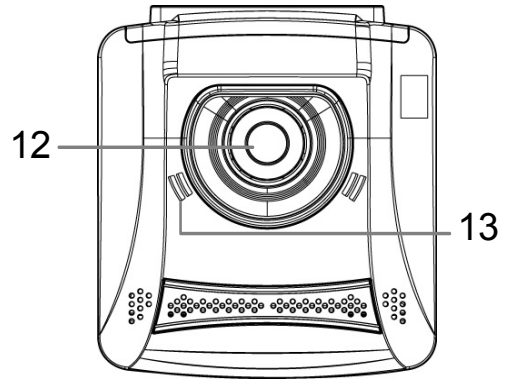
Side (Left and Right) Views



Front View



Rear View



No.	Item
1	Bracket Socket
2	Microphone
3	Power Button
4	Memory Card Slot
5	USB Connector
6	HD(Mini HDMI) Connector
7	Back Button (↶)

No.	Item
8	LCD Panel
9	Up Button (▲+)
10	Down Button (▼)
11	Enter Button (OK)
12	Wide Angle Lens
13	Speaker

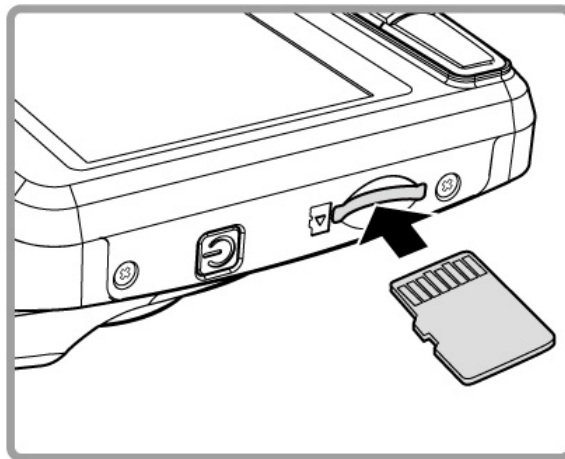
Note:

To operate the Camcorder, press the corresponding buttons (7, 9,10,11) below the desired according to guide icons shown the 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 6 or above the 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.

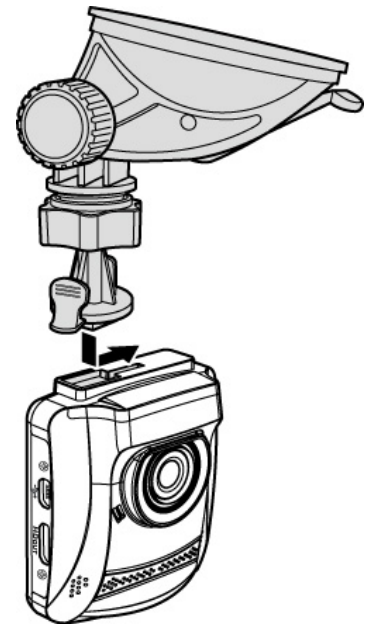
Note:

1. Do not remove or insert the memory card when the device is powered on. This may damage the memory card.
2. It is recommended to use a 16 or 32 GB, Class 6 speed or above micro SD card.
3. It is recommended to format the micro SD cards before the initial use.

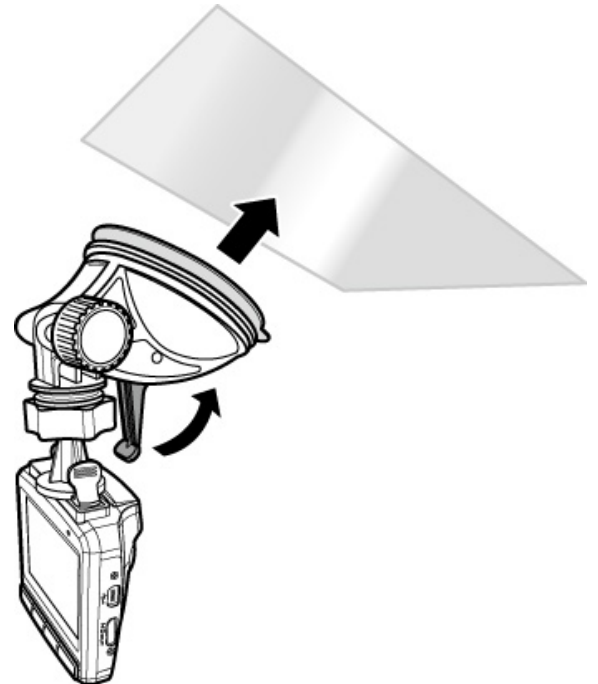
2.2 Installing in Vehicles

2.2.1 Mount to Windshield

1. Attach the bracket to the device. Slide it into the bracket holder until you hear a click.



2. With the suction-cup laying flat, position the suction-cup on the windshield.

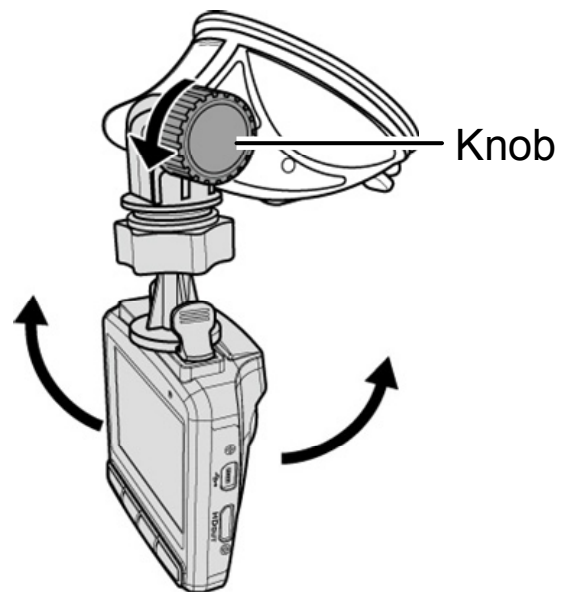


3. Hold the base firmly on the windshield and press down the clamp to mount the car holder to the windshield. Make sure the base is securely locked in place.

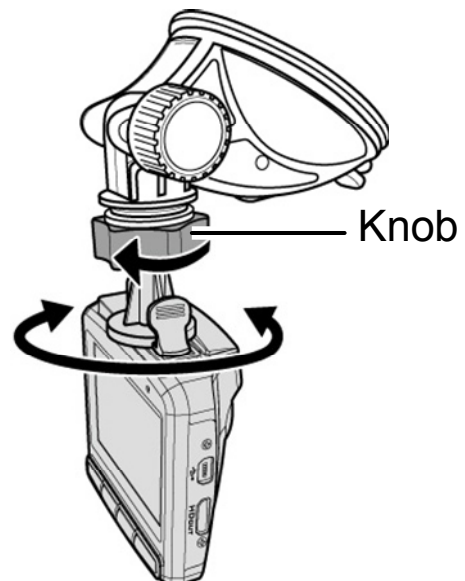
Warning: Do not install the device on a tinted window. Doing so may damage the tint film.

2.2.2 Adjust the device position

1. Loosen the knob to swivel the device vertically.



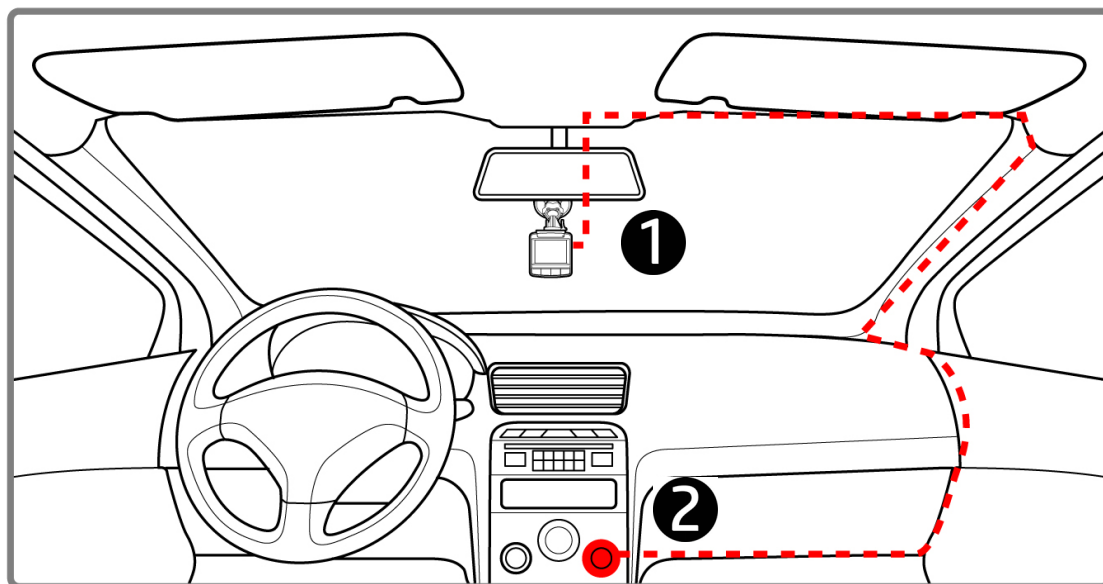
2. Loosen the knob to swivel the device horizontally up to 360°.



3. Then tighten the knobs to make sure the device is securely locked in place.

2.3 Connecting to Power

Use only the supplied car adapter to power up the device and charge the built-in battery.



1. Connect one end of the car adapter to the USB connector of the camcorder.
2. Plug the other end of the car charger to the cigarette lighter socket of your vehicle. If the socket is powered on when the ignition/engine is started, the camcorder will automatically power up and begin recording in 3 or 5 minute loop intervals. When the ignition/engine is shut off, the camcorder will automatically stop recording and shutdown. The vehicle engine is started, the camcorder automatically powers on.

Note:

1. The orange LED lights up while the battery is charging.
2. Please take note if the environment temperature reaches 45°C or above, the car adapter 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

2.4.1 Auto Power On/Off

Once the vehicle engine is started, the camcorder automatically turns on. If the *Automatic Record* function is enabled, the recording will automatically start right after the camcorder powers on.

See **Set Automatic Recording** (2.5.1).

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

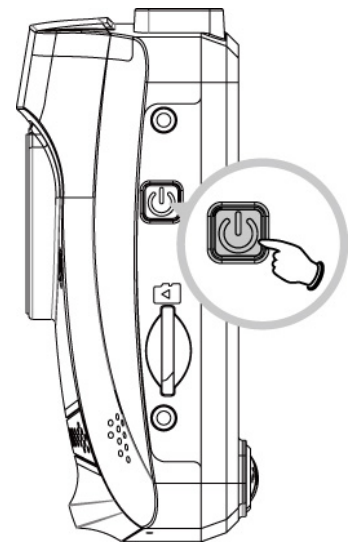
See **Delay Shutdown** (4.2).

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.

To reset, press and hold the **POWER** button for at least 5 seconds.







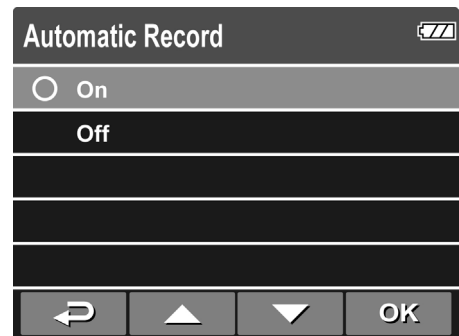
2.5 Initial Settings

Before using the device, we recommend you enable the **Automatic Record** function and set up the correct date and time.

2.5.1 Set Automatic Recording




To enable the recording to start automatically after you turn on the power, do the following:

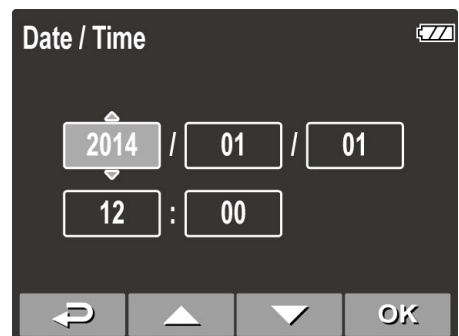
1. Press the  button to enter the OSD menu.
2. Press the  button to select **Automatic Record** and press the **OK** button.
3. Press the  button to select **On** and press the **OK** button.
4. Press the  button to exit the menu.



2.5.2 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  button to select **Date / Time** and press the **OK** button.
3. Press the  button to adjust the value and press the **OK** button to move to another field.
4. Repeat step 3 until the date and time setting is complete.



Note:

When the battery is drained dry, the user must reset the date/time before the function - automatic record is started. The device will still start to record after one minute if the user does not reset the date/time, but the video will not have date / time.

3. Using the Car Recorder

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. Or, press the ▼ button to stop recording manually.

Note:

On some cars, the recording will continue when the engine is switched off.

If this happens, do one of the following:

- Manually turn off the cigarette lighter socket if possible.
- Remove the car adapter from the cigarette lighter.

3.1.2 Driver Fatigue Alert Function

1. Press the ↻ button to enter the OSD menu.
2. Press the ▲ + / ▼ button to select **Driver Fatigue Alert** and press the OK button.

Driver Fatigue Alert function will remind the driver should take a rest after continuing to drive for over one hour via “bi bi sound” from the device and also the alert picture (as illustrated) will appear on the LCD screen. The camcorder will remind the driver again after each additional 30 minute interval.



3.1.3 Manual Video Recording

1. Press the **OK** button to start recording.
2. Press the **▼** button to stop recording.

Note:

1. One video file is saved for every 3 or 5 minutes of recording. See 4.1 *Using the Menu* (4.1).
2. The device saves the recording on the memory card. If the memory card capacity is full, the oldest file in the memory card is overwritten.

3.1.4. Emergency Recording

During normal video recording, press the **OK** button to begin emergency recording mode. The “**Emergency**” message will be displayed immediately on the upper left corner of the screen, and the recorded file will be continuous and protected from being overwritten.

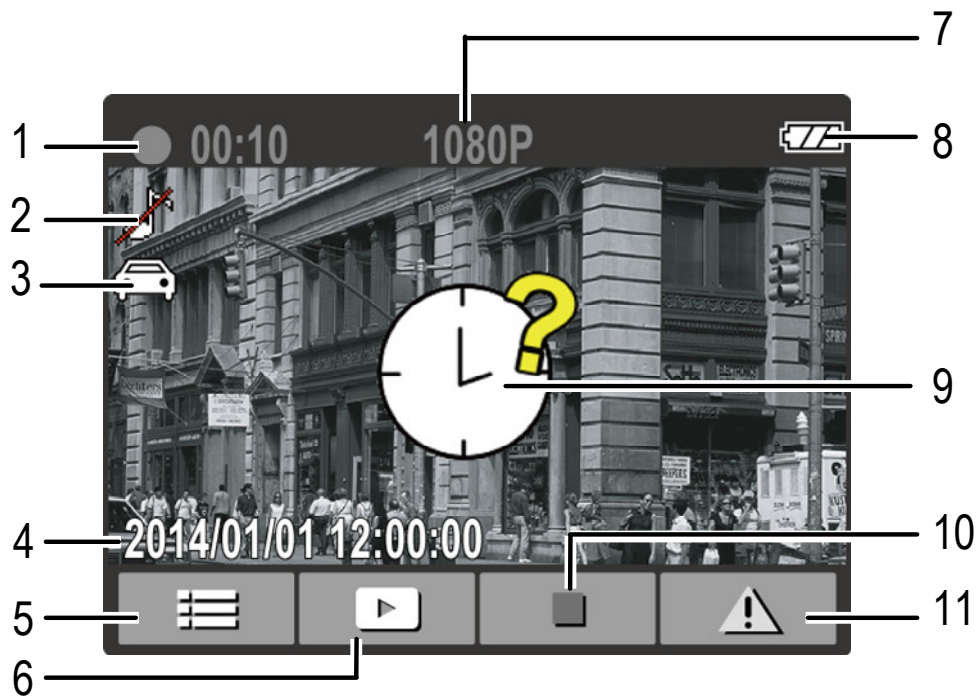
To stop the recording, press the **▼** button.







Note:

1. If the *Collision Detection* function is enabled and a collision is detected, the camcorder will automatically trigger the emergency recording feature.
2. If the *Collision Detection* function is enabled and a collision is detected, the *emergency* recording function of the device will automatically be triggered. The emergency recording file is created as a new file, which will be protected to avoid being overwritten by normal cycling recording. A 4 GB memory card can save up to 5 emergency video files, and 8 GB (or above) memory card can save up to 10 emergency video files. The alert message of “*Emergency files are full*” will pop up on the screen when the emergency recording files are full, and the oldest emergency file will be automatically deleted when a new emergency recording file is created.

3.1.5 The Recording Screen



No.	Item	Description
1	Duration	Indicates the current recording duration.
2	Voice Record	Indicates sound will not be recorded with the video. Enter the OSD menu to enable "Voice Record".
3	Smart Scene Mode	There are two options for the Smart Scene Mode: 1. Drive Priority  2. Scenery Priority  See section 4.2 Menu Tree for more details.
4	Date and time	Indicates the current recording date and time.
5	Settings Menu Icon	Press the [] button to enter the camcorder settings menu.
6	Playback icon	Press the [ +] button to go to the playback menu.
7	Resolution	Indicates the current video resolution.
8	Battery	Indicates the estimated remaining battery level or if it is being charged.

9	Prompt : reset of date / time	This is an indicator to set the date and time before recording use.
10	Stop Record icon	Press the ▼ button to stop video recording.
11	Emergency Video Record icon	Press the OK button to manually begin Emergency Video recording. In this mode, video will be recorded to a single file until manually stopped.

3.1.6 Taking Photographs

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

When not recording video, press the ▼ button to take a photo.

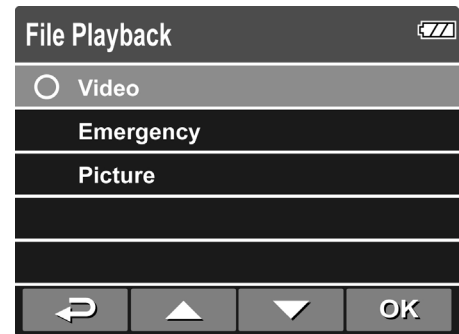


Note:

If recording is in progress, press the ▼ button to stop the recording first.

3.2 Playback Videos and Photos

1. If recording is in progress, press the ▼ button to stop recording. The standby screen is displayed.
2. Press the ↶ button to enter the OSD menu.
3. Press the ▲/▼ button to select the file category that you want to browse and press the OK button.
4. Press the ▲/▼ button to view the next or the previous file and press the OK button to view the file in full screen.



Note:

From the standby screen, you can directly enter Playback mode by pressing ▲ button. The last recorded video is displayed on the screen.

3.2.1 Playing Videos

To play videos, do the following:

1. If recording is in progress, press the ▼ button to stop recording.
2. Press the ↶ button to enter the OSD menu.
3. Press the ▲/▼ button to select **File Playback** and press the OK button.
4. Press the ▲/▼ button to select **Video** or **Emergency** and press the OK button.
5. Press the ▲/▼ button to browse for the desired video file and press the OK button to play the video.
6. Press the OK button to pause the playback. Press it again to resume.

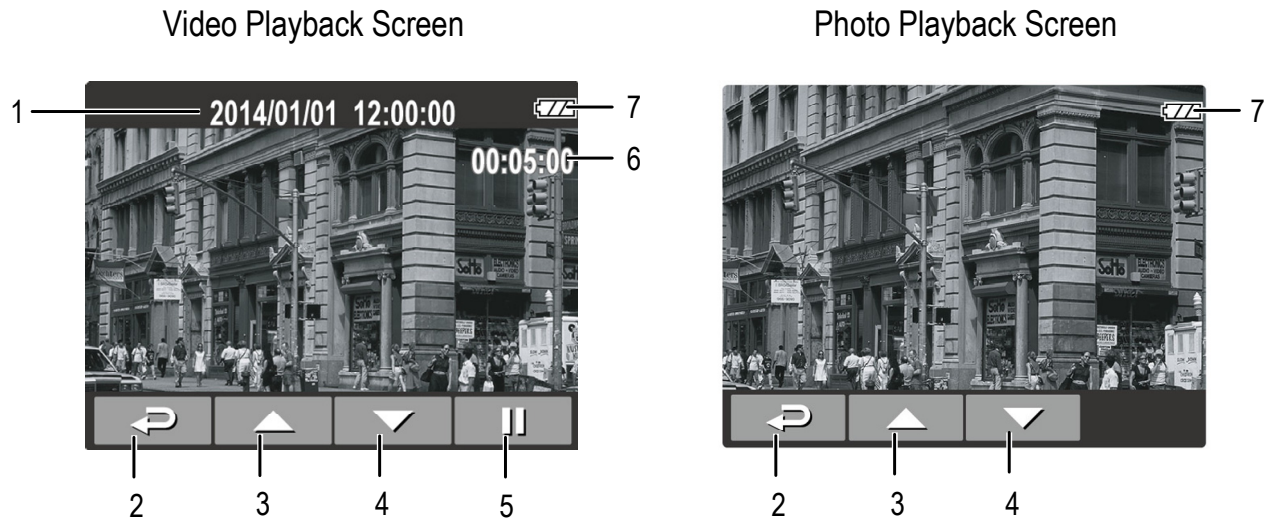





3.2.2 Viewing Photos

To view photos, do the following:

1. If recording is in progress, press the ▼ button to stop recording.
2. Press the ↶ button to enter the OSD menu.
3. Press the ▲/▼ button to select **File Playback** and press the OK button.
4. Press the ▲/▼ button to select **Picture** and press the OK button.
5. Press the ▲/▼ button to browse for the desired photo file and press the OK button to view the file in full screen.

3.2.3 The Playback Screen

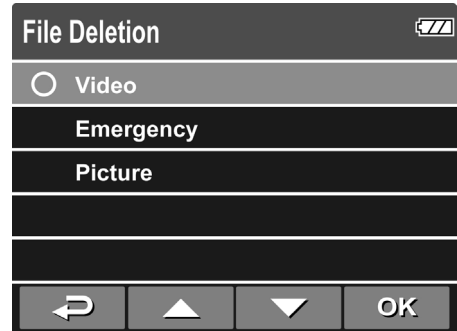


No.	Item	Description
1	Date and time	Indicates the recorded date and time.
2	Guide icon (Back)	Press the  button to return to file selection display.
3	Guide icon (Previous)	Press the  button to view the previous video/photo.
4	Guide icon (Next)	Press the  button to view the next video/photo.
5	Guide icon (Pause)	Press the OK button to pause the video playback.
6	Duration	Indicates the elapse time.
7	Battery	Indicates the estimated remaining battery level.

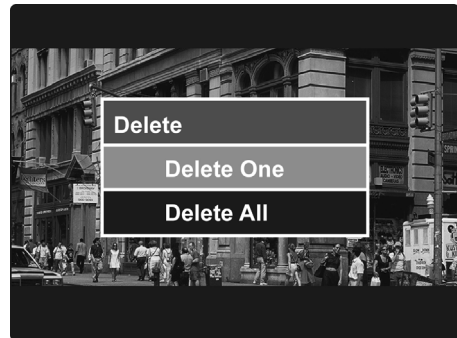
3.2.4 Deleting Files

To delete file(s), do the following:

1. If recording is in progress, press the ▼ button to stop recording.
2. Press the ↶ button to enter the OSD menu.
3. Press the ▲/▼ button to select **File Deletion** and press the **OK** button.



4. Press the ▲/▼ button to select the file category and press the **OK** button.
5. Press the ▲/▼ button to select the file that you want to delete and press the **OK** button to enter the Delete menu.



6. Press the ▲/▼ button to select an option.

Item	Description
Delete One	Delete the current displayed file.
Delete All	Deletes all files.

7. Press the **OK** button to confirm delete.

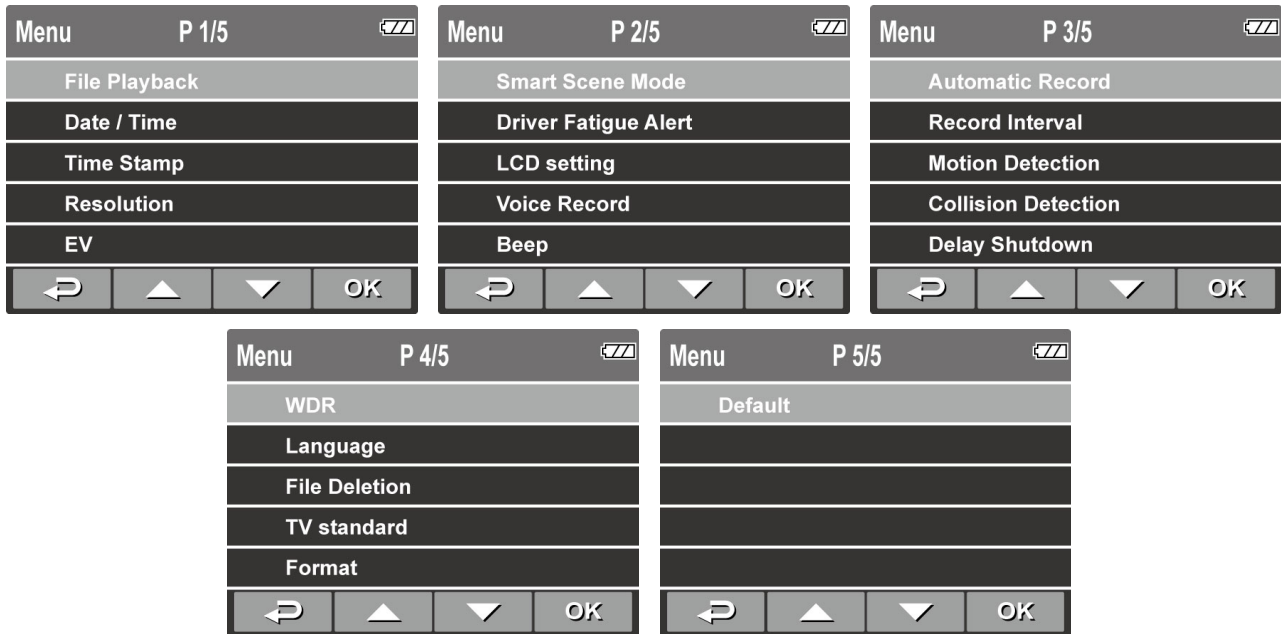
Note:

Deleted files CANNOT be recovered. Ensure the files have backup before deletion.

4 Adjusting the Settings

4.1 Using the Menu

You can customize the video recording and other general settings via the on-screen display (OSD) menus.



1. If recording is in progress, press the ▼ button to stop recording.
2. Press the ↶ button to open the OSD menu.
3. Press the ▲/▼ button to select a menu option and press the OK button to enter the selected menu.
4. Press the ▲/▼ button to select the desired setting and press the OK button to confirm the setting.
5. Press the ↶ button to exit the menu.

4.2 Menu Tree

Refer to the below table for details on menu items and available menu options.

Menu option	Description	Available option
File Playback	Select the file category that you want to view.	Video / Emergency / Picture
Date / Time	Set the date and time.	Press ▲/▼ button to adjust the value, press the OK button to switch the field and confirm.
Time Stamp	Enable/Disable the date stamp.	On / Off
Resolution	Set the desired video resolution.	1080p (1920x1080) / 720p (1280x720)
EV	Set the exposure compensation.	Press ▲/▼ button to set the exposure level. You may customize it between -1.3~+1.3.
Smart Scene Mode	Driving Priority: Calculates exposure based on the entire image area, but provides greater exposure to the center of a subject. Scenery Priority: Calculates exposure based on the entire image area.	Driving Priority / Scenery Priority
Driver Fatigue Alert	When enabled, the camcorder sounds an audible tone after an hour of driving.	On / Off
LCD Setting	Set the duration for the display to automatically turn off right after video recording starts.	On / Turn Off After 30 sec. / Turn Off After 3 min. / Off
Voice Record	Enable or disable sound recording with the video.	On / Off
Beep	Enable/Disable the alarm tone	On / Off

Menu option	Description	Available option
Automatic Record	Enable / Disable the device to automatically record video after the device is turned on.	On / Off
Record Interval	Set the recording duration for each recorded video file.	3 min. / 5 min.
Motion Detection	Enable/Disable the motion detection. If this function is enabled and the power off button is pressed, the system alert message, " Press OK Key to Power off, or enter motion detection after 10sec. ", will be displayed on the screen. Under motion detection mode, the camcorder will automatically start recording when any object movement is detected.	On / Off
Collision Detection	Enable / Disable the collision detection. If this function is enabled and any collision is detected, the camcorder will automatically trigger the emergency recording feature.	High Sensitivity / Normal Sensitivity / Low Sensitivity / off
Delay Shutdown	Set the delay duration before turning off the power.	10 sec. / Off
WDR	Present a crisp and clear picture quality with harmonious contrast in a high contrast, high discrepancy environment.	On / Off

Menu option	Description	Available option
Language	Set the on-screen display menu language.	English / 繁体中文 / 简体中文 / 한국어 / 日本語 / Русский / Deutsch / Français / Italiano / Español / Português / Türkçe
File Deletion	Delete the file(s). Warning: Once a file has been deleted, it CANNOT be restored or recovered.	Video / Emergency / Picture
TV standard	Set the TV type based on your local region.	NTSC / PAL
Format	Format the memory card. Warning: Once a format has been initiated, ALL content on the micro SD card will be deleted CANNOT be restored or recovered.	Yes / No
Default	Reset all options to the factory default settings.	Yes / No

5 Specifications

Item	Description
Image sensor	1/3" CMOS sensor
Effective pixels	2048 (H) x 1536 (V)
Storage media	Supports Micro SDHC, up to 32GB class 6 or above
LCD display	2.4" LCD color TFT (112K pixels)
Lens	Wide Angle Fixed Focus lens F1.9 ; f=2.95mm
Focus range	1.5m~Infinity
Movie Clip	Resolution: Full HD (1920 x 1080), 30fps HD (1280 x 720), 30fps
	Format: MOV
Still image (Photograph)	Resolution: 3M (2048 x 1536)
	Format: DCF (JPEG, Exif: 2.2)
Shutter	Electronic shutter Auto:1/2 ~1/2000 sec.
G-Sensor	3-Axis G-Force sensor
ISO	Auto
White Balance	Auto
Microphone	Yes
Speaker	Yes
Interface	Mini USB, Mini C Type HDMI

Item	Description
Battery	Built-in 470mAh Li-polymer rechargeable (This battery is NOT replaceable)
Operating Temperature	-10° ~ 60° C
Operating Humidity	20 ~ 70% RH
Storage Temperature	-20° ~ 80° C
Dimensions	63 x 70 x 28.7 mm
Weight	Approx. 78g (2.75oz)