QUICK START GUIDE

MAISI Dash Camera

PRIOR TO USE

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

CAUTION

* Use the authorized car 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.
* 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 supplier is NOT responsible for the loss of any data/content during operation.
* Strictly observe relevant laws as this product cannot be used for any illegal purpose. The user is responsible for any legal matters.
Before you start using the Car Camcorder it is assumed that you agree to the above statements.

How to contact us?

If you come across any issue, please feel free to drop us a quick email at: maxtopuk@gmail.com (UK Customers) or maisideal@outlook.com (US Customers). We answer most emails within 12-24 hours. If you purchase from Amazon, you can contact us via Amazon Message as well.

1 Introduction

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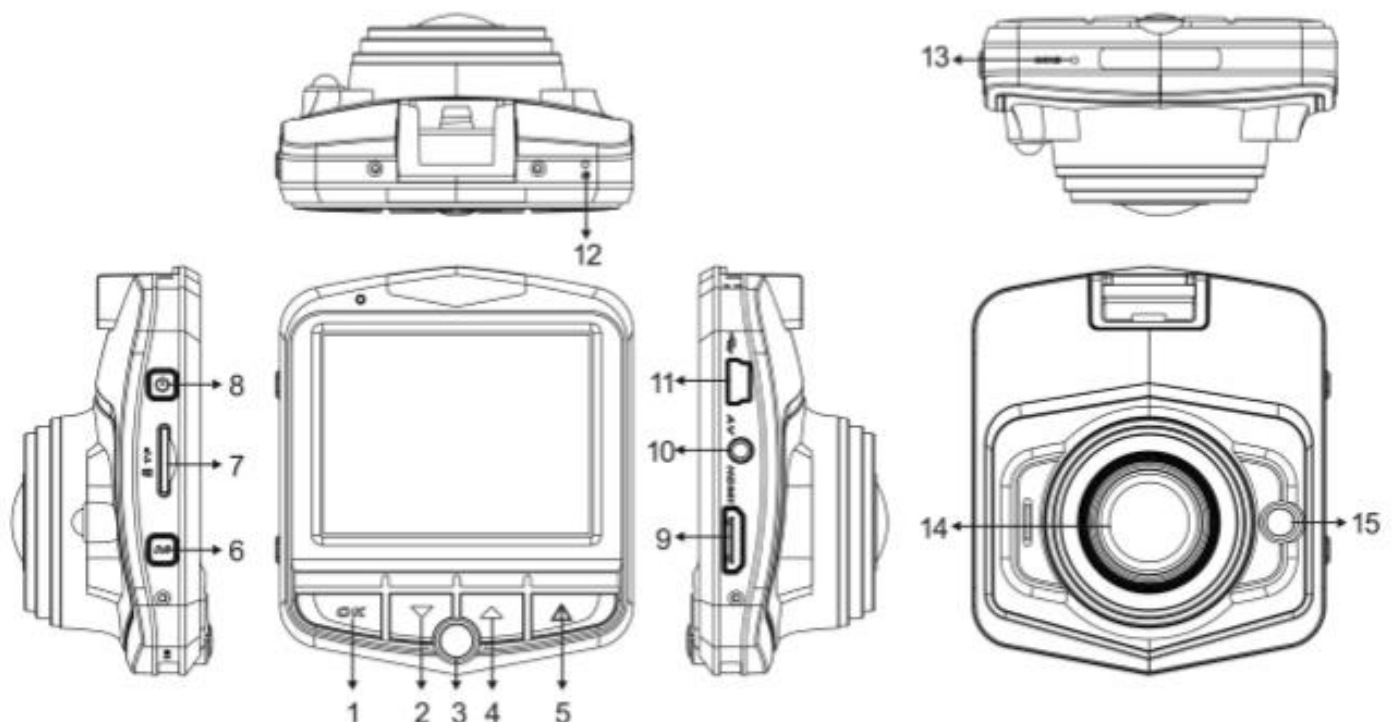
1.1 Features

* Wide Dynamic Range Imaging (WDR)
* HD Image: 1080FHD 1920*1080
* Up to 150 Degree Wide Angle Glass Lens & IR-Filter
* Built-in G-sensor
* Collision Detection
* Emergency Recording File
* Parking Assistance (*Refer to page 10*)
* Motion Detection (*Refer to page 10*)

1.2 Package Contents

1x Dash Camera
1x Power Charger
1x USB Cable
1x Suction Cup
1x Quick Start Guide
Note: Contact us immediately if any of the parts is missing in your package.

1.3   Product overview

No.	Icon	Name	Operating Instructions
1	**OK**	OK button	Recording/Take Picture/Confirm button. In Record Mode, press this button to start recording, press it again to stop recording; in Picture Mode, press this button to take photo; In Menu Mode, press this button to confirm
2	▼	Down button	In Menu Mode, press this button to select the options; in Standby/Record Mode, press to turn on/off the night vision light
3	**P**	Parking mode button	Press this button to turn on/off the parking mode function
4	▲	Up button	In Menu Mode, press this button to select the options; in Standby/Record Mode, press to turn on/off the audio
5	⚠	Emergency button	In record mode, short press to lock the current video file which will not be overwritten
6	**M**	Mode / Menu button	Press to switch between Record /Photographic/Playback Mode. In standby mode, long press this button to bring up the menu
7	▯	SD card slot	Please install the SD card with the gold plate facing the front side of the camera
8	⏻	Power button	Turn on/off the device
9	**HDMI**	HDMI port	Connect the camera to HD TV via this HDMI port
10	◎	AV input port	Connect the camera to TV via AV cable
11	USB	USB port	For data transmission to PC; power supply port
12	RESET	Reset button	Reset the device
13	MIC	Microphone	Audio receiving port
14	◎	Lens	Image acquisition
15	▭	Fill light	Use in low light environments

2 Getting Started

2.1 Inserting the memory card

Please insert the card with the gold plate facing the front of the camcorder The camera requires high speed micro SD card, please make sure you use a high speed card (*CLASS 6 or above*).

> *Note: a new card should be formatted in the camcorder prior to use.*

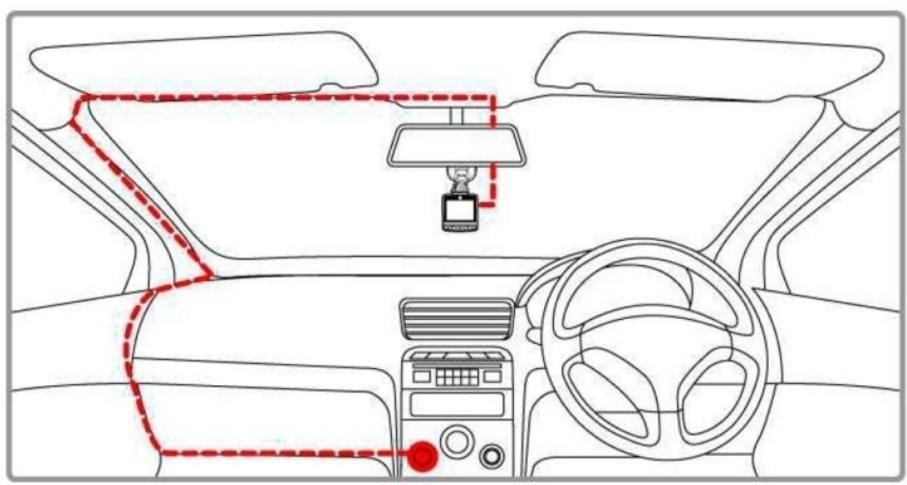**To remove the memory card:** Push to eject the card out of the slot.

> *Note: do NOT remove/insert a SD card when device is powered on to avoid damaging the card.*

2.2 Installing in vehicles

(1) Attach the bracket to the camcorder. Slide it into the bracket holder.
(2) Before installing the bracket, use alcohol to clean the windshield and suction cup. Wait for dry and press 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.

2.3 Connecting to power

Please use **only** the car charger provided in the package, it will power on the camcorder and charge the built-in battery as well. Connect one end of the car charger to the USB port of the camcorder. Plug the other end of the car charger to the cigarette lighter socket of your vehicle. Once the car engine is started, the camcorder will automatically turn on.

> *Note: When wiring the car charger, you can refer to the above picture.*

2.4 Camcorder on/off

(1) Auto On/Off: the device will automatically turn on and record when the car engine starts up. Once the engine stops, the device will automatically save the recording and turn off within 15s.

(2) Manual On/Off: Press the power button ⏻ to turn on the camcorder and hold the press for up to 3 seconds to turn it off.

2.5 Set date and time prior to use

(1) The device will automatically start recording when turns on, please press **OK** to stop recording.

(2) Press **M** twice to enter system setting, press ▼ to select <Date/Time>, press **OK** to enter time setting.

(3) Press ▲ or ▼ to adjust the value of date/time/display format, press **OK** to confirm and move to next field. Press **M** to exit.

3 To Use the Device as a Video Recorder

3.1 Record videos while driving

When the car engine starts up, the device will automatically turn on and start recording. When the engine stops, the device will automatically stop recording. Or you can manually stop recording by pressing **OK**.

> *Note: the cigarette lighter sockets of some vehicles provide continuous power supply even when the engine stops. If this is the case, please turn off the device manually or unplug the car charger from a car cigarette lighter socket.*

3.2 Record all other types of videos

Press **OK** to start recording; press **OK** again to stop recording.

> *Note: (1) the device will save recordings every 1,2,3,5, or10 minute, please refer to the loop setting.*
> *(2) The recordings will be saved to SD card inserted. If the SD card is full, the oldest file will be automatically overwritten.*
> *(3) The collision recording or emergency recordings will NOT be overwritten and requires manual deletion.*

3.3 Emergency Recording

Note: (1) If the G-sensor is enabled and a collision is detected, the device will automatically lock the current recording and this recording will not be overwritten.
*(2) If the camera is in record mode, you can press the button ▽ to initiate emergency recording, press **OK** to stop emergency recording. Emergency recordings will not be overwritten.*

3.4 How to access the Setting Menu?
(1) Press **OK** to stop recording.
(2) Press **M** to bring on the menu.
(3) Press ▲ or ▼ to select menu items.
(4) Select the settings you want to modify, press **OK** to confirm.
(5) After the setting is modified, press **M** to exit.

Record mode settings		
Menu Options	**Explanations**	**Available options**
Resolution	Set the video resolution	1080FHD, 1080P, 720P, WVGA, VGA
Loop recording	Set the length of each video file	Off, 1min, 2min, 3min, 5min, 10min. If it is set to OFF, the device will not automatically overwrite the SD Card once the capacity is full
Exposure	Changing the exposure value will make sure your pictures/videos are always correctly exposed	+0.0, -1/3, -2/3, -10, -4/3, -5/3, -2.0, +2.0, +5/3, +4/3, +10+2/3, +1/3
Motion Detection	The camera will start recording automatically when moving object is detected. See page 10	On, Off
Record Audio	Record the audio	On, Off
Date Stamp	There will be date shown on the recording	On, Off

Menu Options	Explanations	Available options
G-Sensor	Videos recorded during collision will never be overwritten	Off, 2G, 4G, 8G
System settings		
Menu Options	**Explanations**	**Available options**
Park mode	Once the car vibration is detected, the camcorder will automatically turn on and start recording	Off, 2G, 4G, 8G
Date / Time	Date and Time	You can set the year, month, day, hour, minute, second
Auto power off	The device will shut off automatically after preset time	Off, 1 minute, 3 minutes
Screen Saver	The display screen will turn off automatically	Off, 3 minute, 5 minute, 10 minute
Beep sound	This refers to the sound when you press the button (on the camera), or the sound when the camera is powered up or shut down	On, Off
Language	Language of operating menu	English, Chinese, French, German, Korean, Italian, Portuguese, Russian, Spanish, etc.
TV mode	Connected to TV system	NTSC, PAL
Frequency	Choose the correct frequency to avoid flickering. In United Kingdom, 50 Hz is widely used	50Hz, 60Hz
Flash	Use in low-light environments	On, Off
Format	Use to format the SD card	Cancel, OK
Default setting	Restore the device to factory settings	Cancel, OK
Version	Software version	Version number

4 To Use the Camera for Taking Pictures ONLY

If you want to use the camera to take pictures only (not record), then you can change it to the Picture Mode. To enter the Picture Mode, press ▽ to change, in this mode, you can see a camera icon like this 📷 located to the top left corner of the screen.

Note: If camera is in Video Mode and it is recording (the red dot 🔴 blinking on top left corner), press **OK** to stop the recording first, and then press ▽ to go to Picture Mode.

To access the menus for Picture Mode, press **M**.

Resolution:

This allows you to choose your desired resolution for the pictures taken. You can move between the resolution options using ▲ and ▼ buttons, and use the button **OK** to confirm.

Sequence:

The sequence function allows you to take 3 images within 1 second. Three photos will be taken after you press **OK**.

Quality:

The quality settings allow you to adjust the picture quality by enabling a certain amount of light to pass through a unit area of the lens. You can set it to Fine, Normal or Economy.

Sharpness:

This feature enables the camera to take pictures with more or less sharpness. In other words, the camera will increase or decrease pixel proximity (compressing the image for clarity), depending on the settings you choose.

White Balance

Auto, Daylight, Cloudy, Tungsten or Fluorescent.

In Auto mode, settings will adjust themselves to changes in lighting. In Daylight mode, settings will allow greater clarity for footage taken in daylight as with Cloudy settings for cloudy conditions. The Tungsten mode is best for basic indoor use. The Fluorescent mode adds brightness and warmth to the indoor image.

ISO: Auto, 100, 200

In very basic terms, ISO is the level of sensitivity of your camera to available light. The lower the ISO number, the less sensitive it is to the light, while a higher ISO number increases the sensitivity of your camera.

Exposure:

Changing the exposure value will make sure your pictures are always correctly exposed. The bigger the value, the greater amount of light passes through the lens, and, the smaller the value, the less amount of light. You may set the exposure compensation to a higher value (i.e. +2.0) at nights and a lower value during daytime (i.e. -2.0) to achieve better performance. *Note: we set each camera at its optimal value so you do not actually need to adjust it unless otherwise advised.*

Anti-Shaking: On/Off

This feature allows users to shoot images with more clarity without causing blurring when shooting hand held. However, this is not a professional digital camera, so do not expect too much of an advanced feature.

Date Stamp: Off, Date, Date/Time

This function decides whether the date/time will show up on your pictures or not. Off means nothing will show up on the pictures; Date means only date will show up on the pictures; Date/Time means both date and time will show up on the pictures.

5 Accessing, Lock, Unlock and Deleting Files

How to Access Files?

To view files on the camera, press ▽ to enter the Playback Mode. You should see this icon ▷ located to the top left corner of the screen. Use ▲ or ▼ button to navigate among videos and pictures, press **OK** play videos.

How to Delete a File?

Press **OK** to stop the playback first, and then Press **M** to bring on the Menu below:

1 Delete
2 Protect

Choose Delete and press **OK** to confirm. You should see this:

1 Delete Current
2 Delete All
Choose your desired option and press **OK** to see this: Cancel, or OK?
You can choose OK and confirm the action. Press **M** to exit.
Note: If a file is locked (protected), you will not be able to delete it unless you unlock the file first.

How to Lock/Protect a file?
Make sure the camera is in Playback Mode, use ▲ or ▼ button to choose your desired file, press **M** to bring on the menu below:
1 Delete
2 Protect
Choose Protect and press **OK** to confirm and bring on the options below:
1 Lock Current
2 Unlock Current
3Lock All
4 Unlock All
Choose Lock Current and confirm the action. Press **M** to exit.

6 Highlights

6.1 G-Sensor
When G-sensor is enabled, the machine will automatically save the video when the accident is detected on the road, and these files will not be overwritten. There are four options for G-sensor: high, medium, low and off. The factory default setting is: Medium.

6.2 Park Mode / Parking Assistance
If you enable this setting, there will be a blue "**P**" in the top middle of the screen. Once you stop the engine, take out the key and leave the car, the camera turns off automatically. However, once there is any vibration or hit on the car, the camera turns on automatically and records for 10-20 seconds, then it turns it off again. The recording will not be overwritten in this case. If there is another hit on the car, the camera repeats the aforesaid action.

6.3 Motion Detection
If the motion detection is enabled, camera will start recording as long as there is movement within the viewing scope. However, we recommend you to turn if off when you are driving. The factory default setting is: Off.

6.4 USB mode

Connect the camera to the computer via the USB cable (provided), you should see two options

(1) Mass Storage: In this mode, the video or photo files can be accessed on your computer.

(2) PC Camera: In this mode, you can use it as a webcam for video chat. Do not use on laptops, this is recommended to be used on desktops. As in some cases, PC Camera may not work on laptops.

6.5 Battery Status

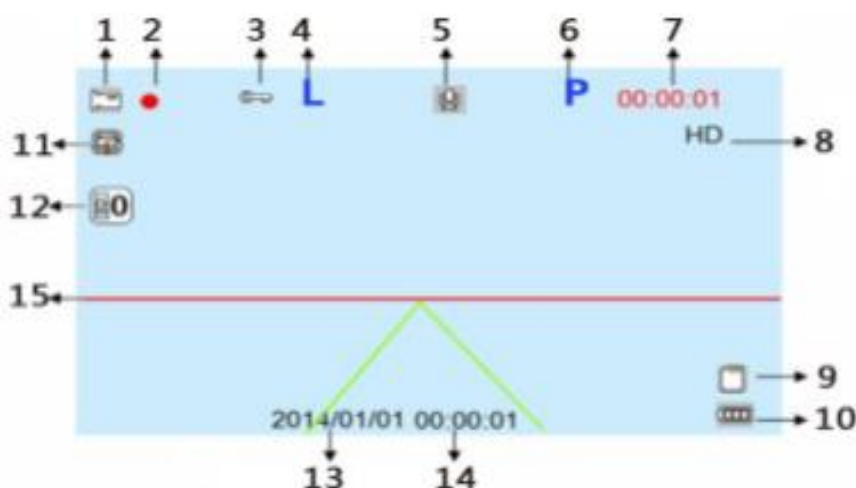| ▉▉▊ Fully charged	▉▊ 60% charged	▊ 30% charged	▭ Low battery

If there is a solid red light on the top left corner of the device (inside the small hole), it means the camera is being charged. The red light will automatically turn off after charging is completed.

Note: Keep the camera connected to the cigarette lighter at all times because the built-in battery won't be able to provide sufficient power for continuous recording.

6.6 Reset

If the camera freezes or won't respond to any actions, you can press the RESET button with a pin to reset the device.

7 Diagram

No.	Icon	Explanations
1		It indicates the device is in record mode.
2	●	Blinking red dot indicates the device is recording.
3	⊙⇁	Indicates the video file is locked.

		When G-sensor is triggered, this icon will appear on the screen, indicating the current video is locked and protected. Press ▽ emergency button, the recording will be locked as well.
4	L	*This* may *Not Applicable for some versions*
5		Audio recording function is enabled. Audio recording function is disabled. If the audio recording function is enabled or disabled, this icon will be shown on the screen. In record mode, press ▲to enable and disable audio recording.
6	**P**	Indicates that the parking mode function is enabled. If the parking mode function is enabled or disabled, this icon will be shown on the screen. In recording mode, press **P** to enable and disable parking mode function.
7	**00:15:30**	White font - remaining recording time of SD card; Red font – current recording time; After inserting a SD card, the device will display the remaining recording time of SD card in white font under standby mode; while recording, the device will display the current recording time in red font.
8	**1080FHD**	Indicates the recording resolution is 1080FHD.
9		Indicates the SD card is inserted.
10		Indicates the current battery status.
11		Loop recording icon. The number in the middle of the icon indicates the loop recording time.
12		EV exposure compensation icon; indicates the currently selected exposure value.
13	00:00:01	Time display. Please modify the time prior to use.
14	2014/01/01	Date display. Please modify the date prior to use.

8 Specifications

Product Features	150° wide angle, 1080P Full HD
G-sensor	Built-in
LCD screen	2.3 inches HD LCD screen
Lens	A+ grade, high resolution, 150° ultra-wide angle
Language	English, Chinese, Japanese, Spanish etc.
File Format	MJPEG; AVI
Video Resolution	1920*1080P; 1280*720P etc.
Recording audio format	Audio: AAC
Color effects	Standard
Loop recording	Seamless loop recording, not missing a second
Auto turn On/Off	Support
Motion detection	Support
Date and time	Support
Picture mode	Up to 12 Mega pixel
Photo format	JPEG
SD Card	Support up to 32GB
Microphone	Support
Built-in audio	Support
IR night vision	Support
TV mode	PAL/NTSC
Frequency	50Hz/60Hz
USB Connections	1: USB-Disk; 2: PC-Camera
Power Interface	5V/1A
Battery	Built-in 200mAh

9 Troubleshooting

What is the maximum allowed memory capacity for the camera?

While up to 64GB may be functional, we guarantees only up to 32GB micro SD Card "Class 10" rating as the maximum allowed capacity for the moment.

Why my camera freezes a lot?

If the camera freezes, you can use a pin to press on the reset button. You may replace the memory card as in most cases it is related to the card. You can contact us if the issue cannot be fixed at your end, we will seek possible firmware update for you. If you received a faulty unit we can replace it for you.

How do I know the camera is recording?

You'll notice three changes when the camera is recording. 1) The blue light on the top left of the unit will blink. 2) The round dot icon on the top left of the display will flash red. 3) There is a counter on the top right of the screen, and the numbers will be increasing identifying how long the file has been recording.

Why isn't the video/picture clear?

* Go to Resolution Setting and make sure you choose the highest resolution.
* Make sure the lens film is removed prior to use.
* Make sure there are no fingerprints, dirt, or water on the lens, and clear the camera lens using a piece of wet cloth on regular basis.

I cannot get to the settings menu?

Make sure the camera is not recording and press the button **M** (under the memory card slot) to get to the first setting screen. Press it again to get to the second screens.

What is "Loop Recording"?

All of our dash cams are currently utilizing the loop recording system. Loop recording is when the camera automatically deletes the oldest dated files to make room for new recordings i.e. the camera may be deleting recorded files from last Tuesday when you're driving on Sunday morning.

Why won't the camera auto-start?
* Always use the power charger provided in the package, if you've got a bad power charger, please contact us.
* Disable the motion detection.

My camera starts but won't automatically record?
* Replace the memory card.
* Format the new memory card and reset the device.

Is there an "Emergency" button to start recording and save on demand on the dash cam?
Yes. Just press the $\triangledown$ button once (when the camera is recording) to achieve this function. Press **OK** to stop the emergency recording. This recording will not be overwritten.

What is a "G-Sensor" feature on a dash camera?
A "G Sensor" is a feature / setting that allows a specific video file that is actively being produced / recorded to be "locked" and protected from becoming deleted as the camera continues to record video while in "loop". Cameras have low, medium and high settings. If the setting is set too high then the camera may "lock" every time you come to a quick stop or run over a pothole. The G-Sensor setting must be used cautiously and experimented with for each driver and vehicle. It is suggested that a new dash cam owner drive with it off or in the low setting in order to get a "feel" for how it functions in a particular vehicle and driving style.

Under G-Sensor (or Park Mode) Setting, which one is more sensitive: 2G, 4G, or 8G?
2G is much more sensitive than 8G, you can set it at 8G when you start to use it.

Why I was unable to delete video files on my computer?
Make sure those files are not protected. The following files are not removable:
Videos footage that were recorded by G-Sensor.
Video footage that were recorded by Emergency Recording.
NOTE: *In order to delete those files, make sure to unlock them first.*