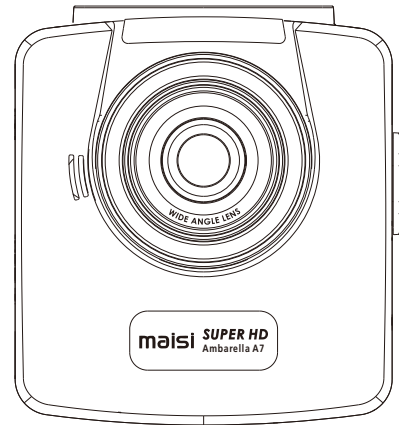# USER MANUAL

MAISI Car Dashboard Camera

maisi **SUPER HD**
Ambarella A7

Congratulations on your purchase!

Please read and understand all instruction before using this camera.
If you do not use device properly and follow all instructions, the warranty
may be voided.

PRIOR TO USE
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 car charger only.
* Never disassemble or attempt to repair 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.
* The firmware function in camcorder is for reference only.
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. 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 advanced camcorder. This camcorder is specifically designed for real time video and audio recording when driving.

1.1 Features

* High Dynamic Range Imaging (HDR)
* Super HD 2304*1296
* Up to 150 Degree Wide Angle Glass Lens &IR-Filter
* Built-in G-sensor
* Motion Detection
* Collision Detection
* Emergency Recording File
* Advanced Driver Assistance Systems (ADAS)

1.2 Package Contents

The package contains the following items. In case there is any missing or damaged item, contact us immediately.
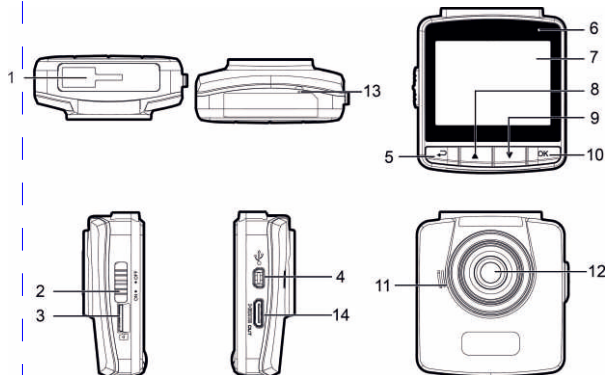
Camcorder

Bracket

Car Charger

User Manual

USER MANUAL
MAISI Car Dashboard Camera

1.3 Product Overview

Number	ITEM	Number	ITEM
1	Bracket Socket	8	Up Button (▲)
2	Power Switch	9	Down Button (▼)
3	Memory Card Slot	10	Enter Button(**OK**)
4	USB Connector	11	Speaker
5	Back Button (⏎)	12	Wide Angle Lens
6	LED Indicator	13	Microphone
7	LCD Panel	14	Mini HDMI

Note:
To operate the camcorder, press the corresponding buttons (5, 8, 9, 10) according to guide icons shown on the screen.
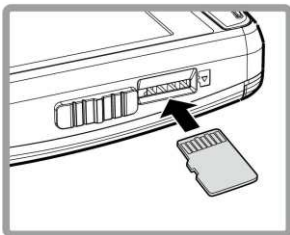
2 Getting Started

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.

To remove the memory card

Push to eject the memory card out of the slot.

Note:
1. Do not remove or insert the memory card when the camcorder is turned on. This may damage the memory card.
2. It is recommended to use a 32GB, Class 10 or above micro SD card.
3. Please format the micro SD card prior to the initial use.
4. If the screen shows "Low Speed Card" while recording, it means the writing speed of the memory card is too slow. Please replace it with a higher-speed memory card.
5. If "Card is too fragmented" is displayed while recording, it means the card is unable to save the recording. Please make a copy of existing files in the card and then reformat it with this camcorder.

2.2 Installing in Vehicles
2.2.1 Mount to windshield

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

2. Before installing the bracket, please use alcohol to clean the windshield and suction cup of the bracket. Wait for dry and press suction-cup on the windshield
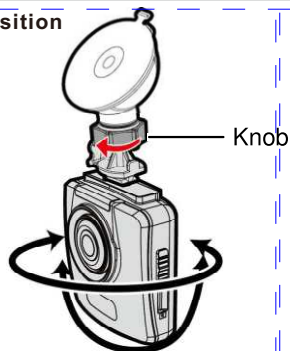
3. Hold the base firmly on the windshield and press down the clamp to mount the car holder to the windshield. Make sure the base is securely locked in place.
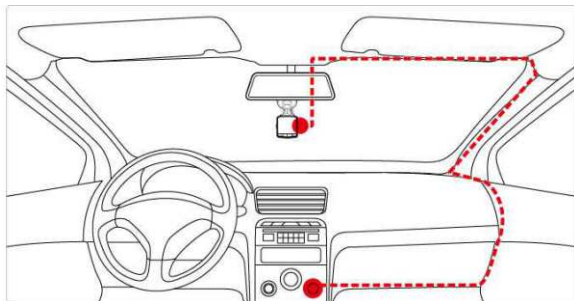
2.2.2 Adjust the camcorder position

1. Loose the knob to swivel the device vertically or horizontally.

2. Then tighten the knob to make sure the camcorder is securely locked in place.

Knob

2.3 Connecting to Power
Use only the supplied car adapter to power up the camcorder and charge the built-in battery.

1. Connect one end of the car adapter 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 turns on. Car charger input: DC 12 / 24V.

> *Note:*
> *1. Use the product with the supplier charger only, please do not use other power chargers to avoid camera burn or cause the battery explosion.*
> *2. When use this camcorder for the first time, please charging to battery full.*
> *3. Please take note if the environment temperature reaches 45°C or above, the car adapter still can supply power to camcorder, but it will not charge the Lithium-ion battery.*

Battery Status Indicator

Icon	Description
	Fully charged
	75% charged
	50% charged
	25% charged
	Low battery
	Connect the car adapter to charge the battery, battery is fully charged.

2.4 LED Indicator

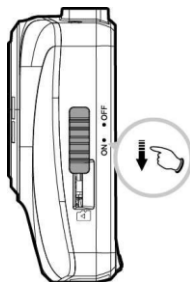| Status Explanation	LED Indicator Color
Power off, battery charging	Green
Power off, battery fully Charged	LED Light Off
Power on, battery charging	Green
Power on, battery fully charged	LED Light Off
Recording/ Recording and screen off	Blinking Red

2.5 Powering the Camcorder On / Off
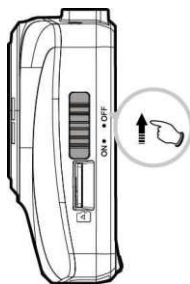
2.5.1 Power On/Off

2.5.1.1 Power On
Slide the Power Switch down to the ON position. This action will cover part of the memory card slot.

2.5.1.2 Power Off
Slide the Power Switch up to the OFF position. Before taking out memory card, please wait until power-off sequence completed and the screen turn off. Do not take out memory card during power-off sequence to prevent recorded video loss or corruption.
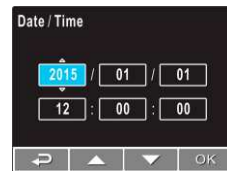
2.5.1.3 Reset the camcorder
In rare occasions, the camcorder may experience an error for unknown reasons. In this case, please press OK button for at least 8 seconds to turn off the camcorder

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 on-screen display (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.

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, please manually turn off the cigarette lighter or remove the car adapter from the cigarette lighter.*

3.1.2 Record all other types of videos
1. Press the OK button to start recording.
2. Press the ▼ button to stop recording.

> *Note:*
> *1. It can be configured to save a video file for every 3 or 5 minutes of recording.*
> *2. 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.*

3.1.3 Emergency Recording

During Video Recording, press the **OK** button to enter emergency recording mode, the "***Emergency***" message will be shown immediately on the upper left corner of the screen, and the recorded file will be protected. 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. The recording will last 20 seconds after collision.*
*2. The emergency recording file is created as a new file, which will be protected to avoid being overwritten by normal cycling recording. 4G memory card can save up to 5 emergency video files, and 8G (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. You will need to manually delete the emergency files in the memory card if you want to record new emergency files.*

3.1.4 The Recording Screen

Number	Item	Description
1	Recording Duration	Indicates the recording duration.
2	Date and Time	Indicates the current recording date and time.
3	Guide Icon (Menu)	Press the ⏎ button to enter the OSD menu.
4	Guide Icon (Playback)	Press the ▲ button to switch to Playback mode.
5	Battery	Indicates the remaining battery power.
6	Guide Icon (Stop)	Press the ▼ button to stop the recording.
7	Guide Icon (Emergency)	Press the OK button to continuously record the emergency video in one file until the recording is manually stopped.

3.1.5 Taking Snapshot

You can also use this camcorder to take snapshots of the current scene. From the standby screen, press the ▼ button to take a snapshot.

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

3.2 Playback Videos and Photos

3.2.1 Playing Videos/ Viewing Photos

To play videos, do the following:
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 **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.

Note: When the camcorder is recording, press ▼ button to stop recording, then press ▲ button, you can directly enter Playback mode. The last recorded video is displayed on the screen.

3.2.2 The Playback Screen
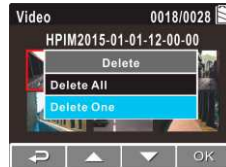
Photo Playback Screen   Video Playback Screen

Number	Item	Description
1	Date and time	Indicates the recorded date and time.
2	Stamp Print	Indicates the file name, date and time stamp if it was enabled in the Settings menu.
3	Guide icon (Back)	Press the ⮐ button to return to file selection display.
4	Guide icon (Previous)	Press the ▲ button to view the previous video/photo.
5	Guide icon (Next)	Press the ▼ button to view the next video/photo.
6	Guide icon (Pause)	Press the OK button to pause the video playback.
7	Total recorded time	Indicates total recorded time
8	Current Duration	Indicates the elapsed time.
9	Battery	Indicates the remaining battery power.

3.2.3 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.

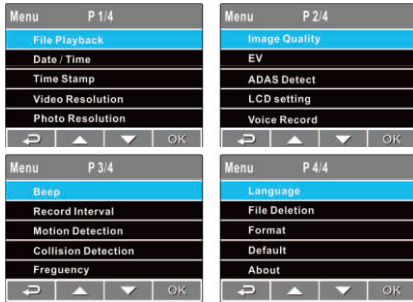| item	Description
Delete One	Delete the current file.
Delete All	Delete all files.

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.

Menu P 1/4	Menu P 2/4
File Playback	Image Quality
Date / Time	EV
Time Stamp	ADAS Detect
Video Resolution	LCD setting
Photo Resolution	Voice Record

Menu P 3/4	Menu P 4/4
Beep	Language
Record Interval	File Deletion
Motion Detection	Format
Collision Detection	Default
Freguency	About

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 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 Item	Description	Available option
File Playback	Select the file category that you want to view.	Video / Emergency
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
Video Resolution	Set the video resolution.	2560 X 1080 p30 2304 X 1296 p30 1920 X 1080 p30 HDR 1280 X 720 p60
Photo Resolution	Set the photo resolution.	13M (4800 X 2700) 9M (4000 X 2250) 4M (2688 X 1512)
Image Quality	Set different image quality for the recording videos	S.Fine/ Fine/ Normal
EV	Set the exposure compensation.	Press ▼/▲ button to set the exposure level. You may customize it between -2.0 ~ +2.0
ADAS Detect	Enable/Disable Driver Fatigue Alert	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/Disable the voice recording.	On / Off
Beep	Enable/Disable the beep.	Press ▼/▲ button to set the volume. You may customize it between 0 ~ 5
Record Interval	Set the recording duration for each recorded video file.	3 min. / 5 min.

Motion Detection	If Motion Detection is activated, the camcorder will automatically trigger recording when the camcorder detects any motion in front. When the battery is fully charged and is in good condition, Motion Detection can record continuously	On / Off
Collision Detection	The camcorder will automatically trigger emergency recording when tremor of a collision is detected.	Off/Low/Medium/High
Frequency	Reduce flicker on LCD.	Auto/ 60Hz/ 50Hz
Language	Set the OSD menu language.	English,Deutsch, Français, Italiano, Español, Português,Türkçe, Polski
File Deletion	Delete the file(s).	Video / Emergency
Format	Format the memory card inserted in the device. All the files in the card will be erased.	Yes / No
Default	Reset all settings to factory default settings.	Yes / No
About	Firmware Version	

Specifications

Item	Description
Image sensor	1/3" CMOS sensor
Effective pixels	2688 (H) x 1520 (V)
Storage media	Support Micro SDHC, up to 32GB class 10 or above
LCD display	2.4" LCD color TFT (262K pixels)
Lens	Wide Angle Fixed Focus lens F/2.0, f=2.6mm
Focus range	0.5m~Infinity
Video (Format: MOV)	Resolution: WFHD (2560 x 1080), 30fps Super HD (2304 x 1296), 30fps Full HD (1920 x 1080), 30fps HDR HD (1280 x 720), 60fps
Still image (Photograph) (Format: DCF (JPEG))	In Photo mode, available resolutions are: 13 Megapixel (4800 x 2700) 9 Megapixel (4000 x 2250) 4 Megapixel (2688 x 1512)
Shutter	Electronic shutter Auto:1/2 ~1/2000 sec.
G-Sensor	3-Axis G- Force sensor
ISO	Auto
WhiteBalance	Auto
Microphone	Yes
Speaker	Yes
Connection	Mini USB
Battery	Built-in 470mAH Li- polymer rechargeable (This battery is NOT replaceable)
Operating Temperature	0° ~ 50° C
Operating Humidity	20 ~ 70% RH
Storage Temperature	-20° ~ 80° C
Dimensions	65 x 70 x 27.5 mm
Weight	Approx. 80g (without memory card)