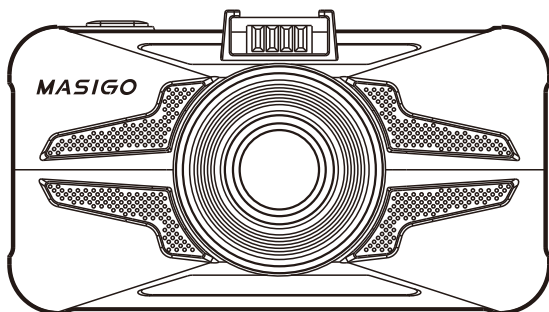# MASIGO

X5002

Front and Rear Dual Channel Dash Cam

User's Manual

CE FC RoHS

1 Safety Precautions and Notice

To ensure that the product is used correctly and safely, please read the instruction manual carefully before use. The precautions described in this manual are intended to ensure the safe and proper use of the product and to prevent injuries to yourself and others, or damage to property.

· Keep the device away from extreme heat, cold, moisture and dust.

· Do not use liquids and chemical cleaners for cleaning the device.

· Do not insert any objects into the device.

· Avoid exposure to direct sunlight for an extended period, overheating will damage the device and shorten its lifespan.

· For your own safety, do not operate the controls of this device while driving. Pull over in a safe area before attempting such operations. Distracted driving will put yourself and others at serious risk.

· Do not place the device where is obstructs the driver's field of vision while driving.

· Do not place the Dash Cam in front of or above any airbag.

· Use only the car charger supplied with your device. The use of any other types of chargers may damage the device, and voids manufacturer's warranty.

· This device contains a non-removable internal Lithium-ion battery. If these guidelines are not followed, batteries may experience a shortened life span or may present a risk of damage to the Dash Cam, fire, chemical burn, electrolyte leak, and/or injury.

  - Do not disassemble, modify, remanufacture, puncture, or damage the Dash Cam or batteries.
  - Do not remove or attempt to remove the non-user replaceable battery.
  - Do not expose the Dash Cam to fire, explosion, or other hazard.
  - Do not expose the Dash Cam to rain or water.

· Do not attempt to disassemble, repairing, modify the device. It will void the product warranty and damage the device.

· In compliance with the country's strict privacy laws, dash cam usage is prohibited or restricted in some countries or states. Please adhere to the local laws.

2 FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Note:
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.
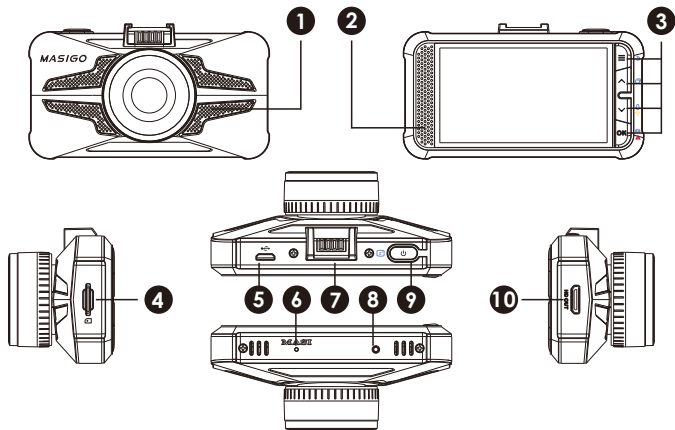
3 Box Content

· Front Camera
· Car Charger
· GPS 3M Adhesive Mount
· Rear Camera*
· Rear Camera Cable*
· User's Manual

Note:
* It is only available for dual channel dash cam.
* The rear camera cannot be operated on its own.
* Supplied accessories may vary by region.

❶ Speaker:
Audio output

❷ LED indicator:
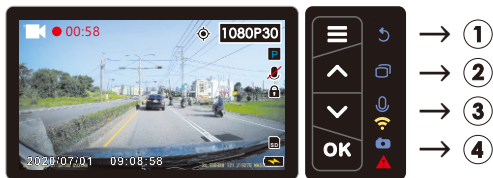Steady red light: Power on
Flash red light: Recording
Steady blue light: Recharging
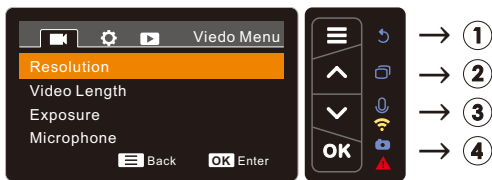Blue light off: Fully charged or not charging

❸ Function buttons:
There are 4 function buttons to operate the camera in difference way.

《**At Recording Screen**》

① Open menu, and go through video menu, system menu and playback menu.

② Swich PIP display

③ Turn off/on the microphone.
Hold and press to enable Wi-Fi.

④ File protected button.

《**At Menu Screen**》

① Back to previous page.

② Up button: Navigate to the previous option.
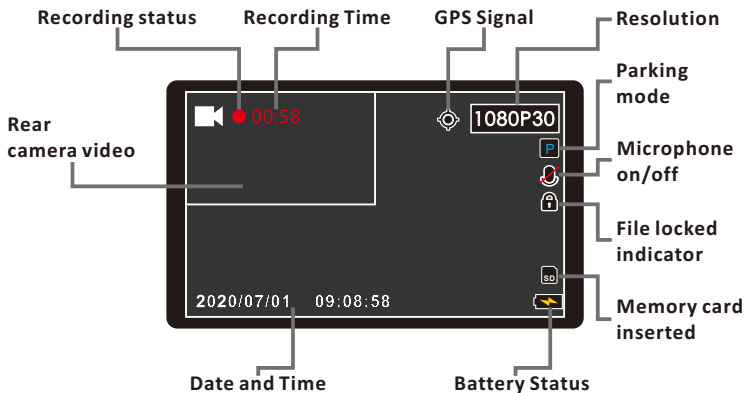
③ Down button: Navigate to the next option.

④ OK

《**At Video Playback Screen**》

① Press once to stop the video, press twice to the previous menu page.

② Press once to stop the video, press twice to previous clip; Press and hold to backward the current video at 2X speed, release it to playback the current clip.

③ Press once to pause the video, press twice to next clip; Press and hold to forward video at 2X speed, release it to playback the current clip.

④ Playback or pause the video.

4 **Memory card slot:**
Insert a micro SD card for recording.

5 **Power port:**
Plug the power cable into the USB port.

6 **Microphone:**
Records audio.

7 **Mounting slot:**
Attached the suction cup mount.

8 **Reset:**
Press to force the camera restart.

9 **Power button:**
Hold to turn the camera on/off; Press once to turn off/on the screen, and the camera is on standby mode.

10 **HD out port:**
Output recorded video or live view.

5 System icon

Recording status   Recording Time   GPS Signal   Resolution

Parking mode

Rear camera video

Microphone on/off

File locked indicator

Memory card inserted

1080P30

2020/07/01   09:08:58
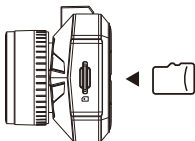
Date and Time   Battery Status

6 Getting started

Inserting memory card

A micro SD memory card is required to insert to the camera before start recording. Your micro SD card should have a minimum write speed rating of class 10.

Be sure to format the memory card with the device before initial use.

To remove a memory card, turn off the camera and press the memory card to pop it out of the slot.

Note:

Removing the memory card while the camera is on can result in a loss of data.In order to maintain the card's full speed performance, preserve its storage capacity and reduce the risk of storage errors, you should regularly format your micro SD card. Don't forget backing up your memory card before reformat it.
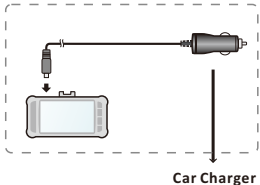
MASIGO does not guarantee the compatibility with memory card from all manufacture.

Recording Time

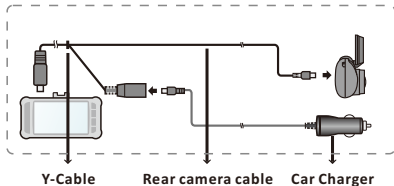| Recording Quality	Card Capacity			
	16GB	32GB	64GB	128GB
1920x1080@30fps (Front and Rear)	100 minutes	200 minutes	400 minutes	800 minutes
1920x1080(60fps)	123 minutes	246 minutes	492 minutes	984 minutes
1920x1080(30fps)	200 minutes	400 minutes	800 minutes	1600 minutes

Installation in your vehicle

【**Installing the front camera**】　　　【**Installing the front and rear cameras**】
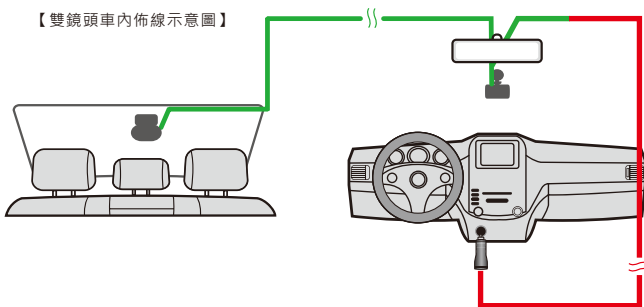
Car Charger　　**Y-Cable**　　**Rear camera cable**　　**Car Charger**

【雙鏡頭車內佈線示意圖】

1.Clean your windshield:
Cleaning the inside and outside of the windshield with window cleaner before applying the adhesive.

2.Mount the dash cam:
Mount the dash cam in or near the middle of your vehicle's windscreen and just below, behind the rear view mirror, don't block driver's view of the road ahead.

3.Connect the power cable:
Connect the car charger to your dash cam and vehicle power outlet. Route wires behind the vehicle trim along the windshield, doorframe or dash.

4.Adjust the lens angle
Rotate the adjusting knob, Loosen counterclockwise to adjust the direction of dash cam and then tighten it clockwise after adjustment. Recommend the ratio of the ground to the sky in the screen is about 6: 4.

7 Basic Operation

Turn on/off the camera

· Automatically

The camera will automatically power on and start recording once received power.

· Manually

Press and hold the power button.

Select language, time zone, date time and speed unit

Go through the settings below for the first-time setup to select language, Time Zone, date time and Speed unit.

· Select language

Press the up and down button "∧ ∨" to select the language, and press OK button " OK " to the next setting.

· Select Time Zone

Press the up and down button "∧ ∨" to select your current time zone from the list, which will allow Daylight Savings time to be adjusted. Then press OK button " OK " to the next setting.

· Set Time and Date

Press the up and down button "∧ ∨" to set the current time and date, press OK button " OK " to next number setting and exist.

· Select speed unit

Press the up and down button "∧ ∨" to display the speed in km/h or MPH

8 Video Recording

Continuous recording

The camera will automatically turn on and start continuous recording after connect to the car charger. Or manually turn on the camera by pressing Power button " (¹) ".

In continuous recording mode, videos are recorded in several segments and save in the "Normal" folder of the micro SD card. The default setting is in 1 minutes' segment, you can change the recording length in Video Menu Setting.

Incident recording

During continuous recording, when the camera detects possible accidental collisions, a 1 minute/3 minutes video footage (depends on the loop recording selected length) is locked from been overwritten and save in the "Event video" folder automatically. You can adjust the G-sensor level in Video Menu setting, default is low.

Manual recording

When the camera is on recording, pressing the file protected button " ⚠ 📷 " to lock a 1 minute/3minutes video footage from been overwritten and save in the "Event video" folder. At the same time, a snapshot is saved in the "Event photo" folder automatically.

Parking surveillance

Parking surveillance requires a constant power supply from car battery. Hardwire cable built with battery discharge prevention is recommended. Camera will automatically enter to parking mode when car stop moving for over 10 minutes. If the vehicle is subjected to a collision, the camera automatically records a 1 minute/3 minute video footage and save in "Event video" folder.

· Default is disable. Enable Parking Surveillance function in Video Menu setting.
— Press MENU button " ≡ " once to enter Video Menu setting.
— Press down button " ⌄ " to scroll down the menu list and select Parking surveillance.
— Press OK button and select " on " to enable parking recording function.

· Camera will return to continuous recording when detected movement subsequently.

9 Playback Mode

Press the Menu button " ≡ " three times to enter the Playback Menu page, and press up and down button "⌃ ⌄" to scroll down the folder.
Press OK button to review the files.

Folder Name	Recording Type
Normal	Continuous recording
Event Video	Incident recording during continuous recording; Manually recording.
Event photo	Snapshot when press the file protected button " ⚠ 📷 " during continuous recording.

File name format

200701_092830_001_F.MOV
200701_092830_001_R.MOV

Year	Month	Day	Hour	Minutes	Seconds	Serial number	Front view recording
20	07	01	09	28	30	001	F

Year	Month	Day	Hour	Minutes	Seconds	Serial number	Rear view recording
20	07	01	09	28	30	001	R

10 Connect to Wi-Fi

Search and download MASIGO Dashcam Viewer in Google Play Store or Apple App Store. You can view and download recorded videos, change camera settings and update the camera firmware on your smartphone.

Apple App Store

Google Play Store

MASIGO Viewer

Minimum requirements for running this application

· Android 4.4 or higher   · iOS 8.0 or higher

Connect camera to a smartphone

1. Press and hold the camera Wi-Fi button " ⌄ " to enable Wi-Fi hotspot.
2. On your smartphone, select the Wi-Fi network name same as displayed on the camera MASIGO XXXXX-XXXX, and enter Wi-Fi password "12345678".
3. Run MASIGO Dashcam Viewer
4. Tap Connect Dash Cam > Enter Dashcam > Connecting > Connected. Then camera is connected to your smartphone via Wi-Fi.
5. Tap Settings to change camera settings on your smartphone.
6. Tap Playback to view and download recorded videos on your smartphone, and save videos to your phone's album/pictures.

11 Camera Setting

Press Menu button " ≡ " once to access the Menu setting, use the up and down button "∧ ∨" to scroll down the function, and press the OK button to enter the options screen.

Video Menu	Description (*Factory default setting)
Resolution	[1080P 60PFS] [1080P 30PFS]* Set the video resolution. [1080P 60PFS] is available when the front camera is recording only.
Video Length	1 Minute*/3 Minutes Select the video length of continuous recording.
Exposure	+3/+2/+1/0*/-1/-2/-3 Brightens or darkens the image. A positive number will brighten the image by allowing more light into the lens. A negative number will darken the image.
Microphone	On*/Off Enable or disable audio recording. You can also press the microphone button [icon] to disable or enable audio recording.
G Sensor	High/Medium/Low*/Off Sets the G sensor sensitivity during continuous recording mode. If set a high sensitivity, it may easy to lock a clip, and fill up the memory card with locked files.
Plate Stamp	On/Off* Displays a customized set of letters onto the recorded video.
Parking Surveillance	On/Off* Enable the parking recording. It is only available when camera is connected to a constant power supply.
Rotate Display-Front	On/Off* Rotates the video 180 degrees. For customers who want to mount the camera upside down on their dashboard.
Rotate Display-Rear	On/Off* Rotates the video 180 degrees. For customers who want to mount the camera upside down on the rear windshield.
Mirror Display-Rear	On/Off* Flip the rear camera image left to right.
Time & Date Stamp	On*/Off Displays the time and date on the recorded video.
Model Number Stamp	On*/Off Displays the model name on the recorded video.
GPS Stamp	On*/Off Displays the GPS information (Latitude and longitude coordinates) on the recorded video.

| Speed Stamp | On*/Off |
| | Displays the driving speed on the recorded video. |

Press Menu button " $\equiv$ " twice to access the system setting.

System Setting	Description (*Factory default setting)
Wi-Fi	On/Off*
	Set Wi-Fi on to connect the camera to a smartphone via Wi-Fi network.
Format Memory Card	Cancel/OK
Time & Date	Sets time and date in the system
Time Zone	Select your current time zone from the list, which will allow Daylight Savings time to be adjusted.
Speed Units	Km/h*/MPH
	Display the speed in Km/h or MPH.
Language	English*/Chinese
	Sets the language
PIP Display	Main: Front, Sub: Off
	Main: Rear, Sub: Off
	Main: Front, Sub: Rear*
	Main: Rear, Sub: Front
	Switch the PIP
Screen Saver	Off*/10 Seconds/30 Seconds/1 Minutes
	To have the screen turn off while driving. You can also press the power button
Device Sounds	On*/Off
	Turn on/off the button sound.
Frequency	50Hz/60Hz*
	This setting helps reduce light flicker. It may change if you are in a different regions.
Default Settings	Camera will start up with factory default settings automatically.
System Version	Check the Firmware version.

You can also configure the camera settings via **MASIGO Dashcam Viewer APP** on your smartphone.

12 Playback on computer

Download and install the **VLC media player** to play the videos on your computer.

· Remove the micro SD card from the camera, insert it to the micro SD card adapter, and connect it to your computer.
· Using the **VLC media player** to play videos on your computer.

13 Warranty Terms

Thank you for your purchasing MASIGO dash cam. Should your product require warranty service, please contact us directly to determine the problem and the most appropriate solution for you. See details below

MASI AUTO CO., LTD
7F.-10, No.9, Sec.2, Nankan Rd., Luzhu Dist., Taoyuan City 338, Taiwan
Online chart: www.masiauto.com
Email: service@masiauto.com.tw

MASIGO product is guaranteed against defects in materials and workmanship under normal use for a period of one (1) year from the date of purchase ("Warranty Period").
During the Warranty Period, MASI AUTO will repair or replace, at no charge, products or parts of a product that proves defective because of improper material or workmanship, under normal use and maintenance.

This Limited Warranty does not cover any problem that is caused by:
· Damaged caused by misuse including but not limited to failure to use the product for its normal purpose or according to the user instructions or use of the proper use and maintenance, and to installation or use of product inconsistent with the safety standards in force in the country where it is used.
· Damaged caused by accidents including but not limited to lightning, water, fire, misuse or neglect.
· Defacing, illegibility or removal of the model or serial number on the product.
· Damage resulting from repairs or adjustments which have been conducted by unauthorized service organizations or persons.
· Defects in any system into which the product is incorporated or with which it is used.

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