

BOYO[®]

VISION

User's Guide

VTR114



VTR114 VEHICLE CAMERA RECORDER

CAUTIONS

- Please insert micro SD card in the right direction to avoid damage to the card or DASH CAM. If DASH CAM shows error message, please format the micro SD card from DASH CAM menu. Please reset DASH CAM or change micro SD card if similar error continues.
Note: All files will be deleted when formatting micro SD card. Please backup the important files before you format. When reset function is selected, the settings will be returned to default setting.
- Recommended micro SD card : CLASS 10 or above micro SD card. Micro SD card specification varies from one brand to another and it may not function as expected when using with DASH CAM. Please check upon micro SD's compatibility before you use micro SD card.
- Micro SD card must be formatted before using with DASH CAM. Backup recording files once a week to prevent files from being overwritten. Please format micro SD card once every month for its recording stability.
- Please make sure the suction cup is mounted properly and firmly on the windshield to avoid any damage to DASH CAM and to have better recording angle.
- Battery life-span will continuously decrease upon usage. Please charge battery once every month to preserve the battery life.
- Please do not use DASH CAM in a wet environment as DASH CAM is not waterproof or water resistant.
- Please do not record or take picture in a direct sunlight.
- To obtain clear images, please clean the windshield and DASH CAM lens on a regular basis. Avoid using DASH CAM in a dusty environment.
- Please handle DASH CAM with care. Avoid using DASH CAM in a high electromagnetic environment.
- Operating temperature of DASH CAM is -4°F to 140°F. Continuous exposure to sunlight, especially when DASH CAM is mounted in a vehicle where temperature exceeds above 158°F, may result in DASH CAM mal-function, color change, housing and image distortion.

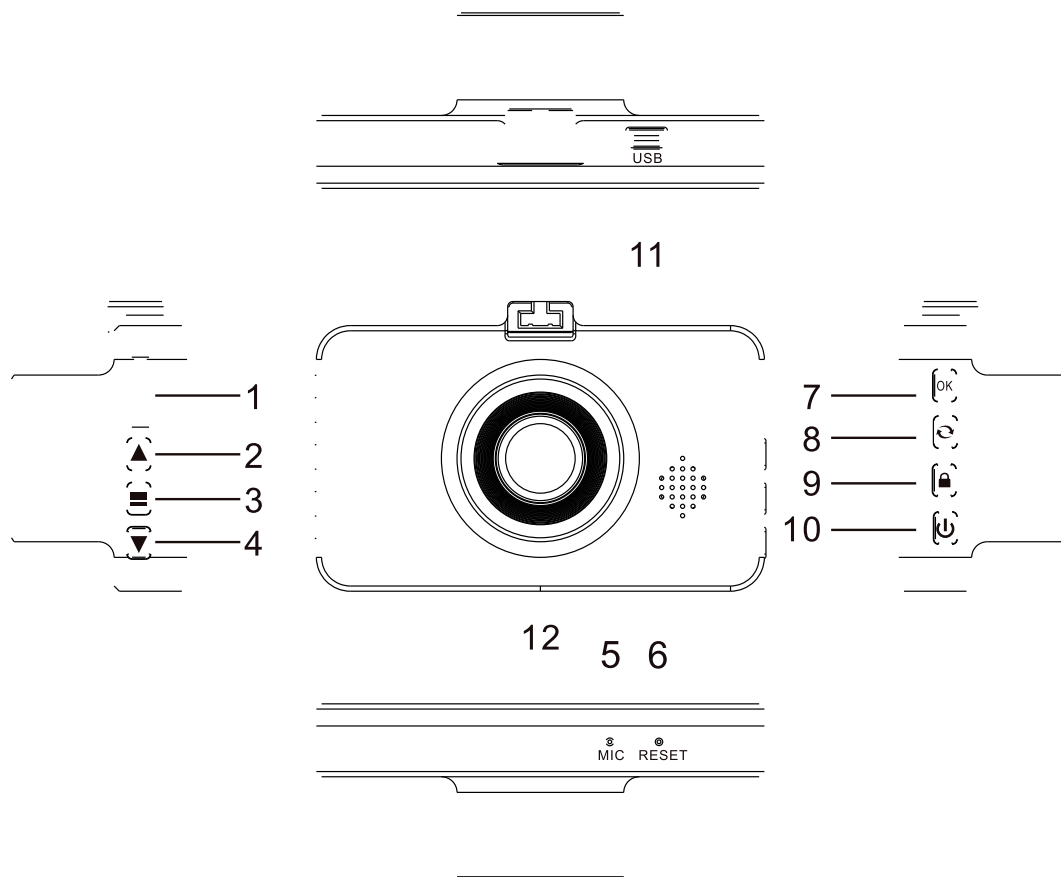
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This device is NOT intended to be used for illegal purposes; surveillance shall not be used in any form as evidence for claim purposes. Some countries prohibit drivers from mounting anything on the windshield, or restrict mounting to specific areas of the windshield. It is the owner's responsibility to mount the device in compliance with local laws. Errors may occur depending on the surrounding environment and the voltage of the car. Company is not liable or responsible for non-recorded event, missing files and others. Company will not be liable for any damage incurred directly or indirectly from errors, omissions, or discrepancies.

Do not operate the device while driving. Using this device does not change the requirement for a driver to take full responsibility for his or her behavior. This responsibility includes observing all traffic rules and regulations in order to avoid accidents, personal injury or property damage.

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1) Micro-SD slot

4) ▼ Down Key

7) OK/REC Key



2) ▲ UP key

5) MIC

8) ↻ Mode Key

) SB interface

3) □ Menu Key

6) Reset


9) SOS


12) Lens

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2、 How To Use

1. Power on/off

A) There are two ways to turn on: In shutdown mode, hold down the  key for 3 seconds or connect with the car charger, DASH CAM will enter into the video mode automatically and start recording,


B) Power off: Hold down the  key for 3 seconds to turn off DASH CAM when it's ON.








Note: When battery power is insufficient, "low battery" sign sign will be popped out. Then, DASH CAM will be turned off and save the video files automatically.

2. Battery charging

Once DASH CAM is connected to a car charger, red light indicator will be on for battery charging and off when it is fully charged. It will take about 180 minutes to be fully charged.

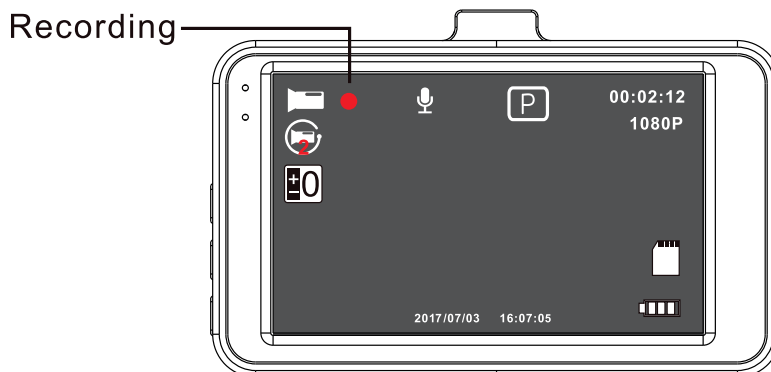
3. Date & Time Setting

Press the  key to be in standby mode, as DASH CAM was set to record once power on by default.

Tab  twice to enter into setting mode, then via  to select Date, press  key to confirm. And you can switch among Year/Month/Day/ Hour/Minute/Second by tabbing  key, and via   key to select the digital you want, then  key confirm the change.

4. Video Mode

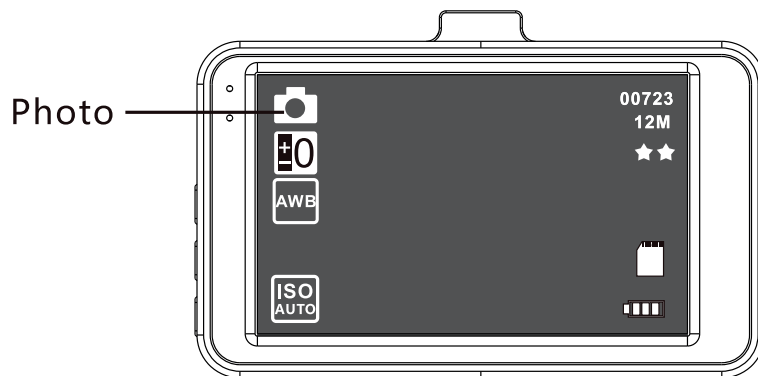
DASH CAM will start recording once car's engine started, Recording icon will start to flicker on the top-left of the screen. And the working indicator with blue flash light will show it's under recording.









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5. Photo Shooting Mode

- A) Press Mode key to switch into photo shoot mode, and the photo shoot icon will show on the top-left of the screen.
- B) Then press OK key to take a picture.





6. Playback, Delete, and Lock operations to Video & Photo


- A) In Standby mode, tab Mode key twice to switch into playback mode,  icon will be show on the top-left of the screen.
- B) Then press  key or  key to select the video you want to review.
- C) Press OK key to play the video, press it again to pause.
- D) Under playback mode, Press  key to delete or lock the video & Photo, with  or  key to select the video & Photo.

3. Features

A. G-Sensor Function



In standby mode, press  key to enter set mode, then press  key to select G-Sensor, and press OK key to set it.

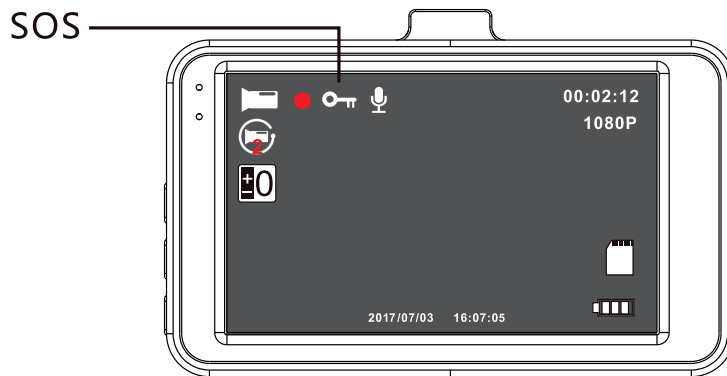
The sensitivity of G-Sensor can be changed in menu mode, 2G-4G-8G-OFF optional, and at 4G by factory default.

When G-Sensor is activated,  icon will be shown on the top of screen, and the current video will be locked and can't be deleted.




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B. SOS function

You can manually lock the current video by press  key, then the  icon will show on the top of screen.









C. Motion Detecting Function

- 1) In Video standby mode, press  key to set motion detect on/off, with  or  key to select it, and OK key to confirm it.
- 2) With Motion Detecting function is ON, DASH CAM will start to record when moving objects are detected, and working indicator with blue light will be flashing. It will stop recording when moving object is gone for 10 seconds.

Note: Motion detecting function was off by factory default.

D. Parking Monitor Function

- 1) In Video standby mode, tab  key twice to on/off, with  or  key to select it, and OK key to confirm. With  or  key to select the Sensitivity you want, Off/2G/4G/8G, then OK key to confirm and quit menu.

Note: a.  icon will be showed on the screen when Parking Monitor Function is ON, and disappear when off.

b. Shortcut: You can press Hold key to activate/close Parking Monitor function during the video recording.

- 2) Under Parking Monitor mode, DASH CAM will be off when the car's engine is off, however it will start to record once the car under vibration by external impact, and lasts recording for 30 seconds with video locked, then powers off automatically. When vibration is detected again, it will be activated to record again.

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4、 Connect to PC

When DASH CAM is connected with PC by USB cable, the pop-up menu will be as following;




1) Storage

Videos and Photos can be read and saved under this mode.

2) Camera

It will be used as a USB camera by PC under this mode.

5、 Function options and system settings

Under the standby mode, press Mode key to enter set menu, with  or  to select the items you want, then OK key to set next parameters, After it is done, press  key again to save and quit the menu. The detailed specifications are following.

	MODE	Menu	Options	Remarks
Image Setting	Video	Resolution	1080FHD 1920x1080 1080P 1440x1080 720P 1280x720 WVGA 848x480 VGA 640x480	Default:1080FHD
		Loop recording	off/1/2/3/5/10mins	Default:3mins
		Exposure	+2.0,+5/3,+4/3,+1.0,+2/3,+1/3,0.0, -1/3,-2/3,-1.0,-4/3,-5/3,-2.0	Default:+0.0
		Motion detection	Off/On	Default: off
		Record Audio	Off/On	Default: on
		Date Stamp	Off/On	Default: on
		G-Sensor	Off/2G/4G/8G	Default: 4G
	Photo	Resolution	12M/10M/8M/5M/3M/2MHD/1.3M/VGA	Default: 8M
		Sequence	Off/on	Default: off
		Quality	Fine/Normal/Economy	Default:Normal
		Sharpness	Strong/Normal/soft	Default:Normal
		White balance	Auto/daylight/cloudy/Tungsten /Fluorescent	Default:Auto
		ISO	AUTO/100/200	Default:Auto
		Exposure	+0.0,-1/3,-2/3,-1.0,-4/3,-5/3,-2.0, +2.0,+5/3,+4/3,+1.0,+2/3,+1/3	Default:+0.0

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Image Setting	Photo	Anti-shaking	off/on	Default:off
		Quick Review	off/2/5 Seconds	Default:off
		Date Stamp	Off, Date, Date/Time	Default: date/time
	Playback	Delete	Delete current/delete all	
		Protect	Lock Current/Unlock Current/Lock All/Unlock All	
Setup	Parking Monitor	Off/2G/4G/8G	Default:off	
	Date/Time	MM/DD/YY, DD/MM/YY, YY/MM/DD	MM/DD/YY	
	Auto Poweroff	Off/1/3mins	Default:off	
	LCD OFF	Off/3/5/10mins	Default: 3 mins	
	Beep Sound	Off/on	Default:on	
	Language	English/繁體中文/简体中文/日本語/Français/Polski/ 영어/ Italiano/Português/Русский/ Español/ไทย	Default:English	
	Frequency	50Hz/60Hz	60HZ	
	Format	All data will be deleted/ Cancel/OK		
	Default Setting	Return menu setting to defaults/cancel/OK		
Version		The current version number		

6. Trouble Shooting

1) Under recording, what if it is stopped all of a sudden?

A. Please check your micro-SD, and use Class 6 or up Class 6 level micro-SD, to match the recording speed of FHD video.

B. Please check if enough capacity is left in the Micro-SD, and check upon the menu if loop-recording function is ON.

Note: Please format the Micro-SD with your PC when Error is occurred.

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2) How can I improve the image quality without much light?
Please check whether DASH CAM "White Balance" function is set to automatic.

3) What do I do when the screen is frozen up and nothing is working with any keys?
Please try RESET key, and restart to the unit.

4) What do I do when the screen is off after few seconds?
Please check in the menu if the screen saver is on.

5) What do I do when I see strips in the video when it is recording at night?
Please check the menu if frequency matches the local power, 60HZ by factory default.

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7、 Product Specification

Screen	3.0"TFT LCD screen
Video Resolution	1920*1080\1440*1080\1280*720\848*480\640*480
Lens	Diagonal 120°wide angle lens
Video Format	AVI
Photo Resolution	12M/10M/8M/5M/3M/2M/1.3M/VGA
Photo Format	JPG
G-sensor	Support
SOS	Support
Motion Detection	Support
Parking Monitor	Support
Loop Recording	Support
Microphone/ Speaker	Support
Memory Card Capacity	Max. support 32GB(class 6 or class 10 or above suggested)
Frequency	50HZ/60HZ
Input	5V/1A
USB Type	Micro USB
Battery Capacity	200mAh

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8. Accessory

