User Manual
Dash Cam

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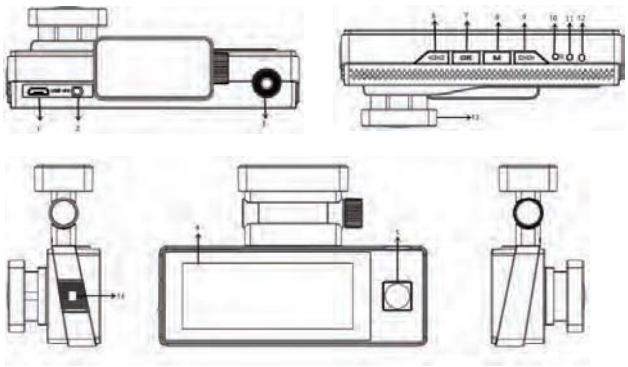
INTRODUCTION

Thank you for purchasing our Ultra HD 3840 x 2160 @30 fps Digital Vehicle Dash Cam (Automobile Black Box). This product provides high quality image capture and irrefutable evidence for what goes on from the perspective of your dashboard. Our Dash Cam is a very elegant, convenient and durable multi-vehicle driving recorder.

PRODUCT OVERVIEW

This Product is a leading Ultra HD Digital Vehicle Black Box Recorder. Equipped with ULTRA-HD 2160P@30fps with NOVATEK NT-96670 processor + SONY IMX415 Sensor for excellent low light sensitivity and high dynamic range which allows you to record continuous high-quality video playbacks and brings phenomenal 4K Ultra-HD resolution videos even at night without the need for infrared sensors. It has superior night vision technology which captures superb video under all low-light conditions. It has advanced built-in Wi-Fi, built-in GPS, G-Sensor, Emergency Video lock button, Audio recording, Loop cycle recording, Distortion correction, 180 degree auto video rotation, Wide dynamic range, Parking mode,. When compared to most dash cameras, this exclusive product design provides an elegant appearance, packed with top rated unique features, records superb unbeatable videos and is very easy to use.



NO.	NAME	Description
1	Micro USB Port	USB port for charging or data transfrring
2	No use port	No use port
3	Power Button	Power ON when Long press;Power OFF when Short press
4	Lcd screen	3.18 Inch IPS
5	Photo button	Movie interface:Short press to take photos and lock the video Playback interface:Enter the playback video menu interface playback interface
6	Left Button	Movie interface:Short press to turn video sound recording off / on Menu interface:Short press to select previous Playback interface:Short press to select the previous video, long press to rewind
7	OK Button	Movie interface:Short press to turn off / turn on the screen Menu interface:Short press to confirm the selection Playback interface:Short press to play / pause
8	M Button	Movie interface:Short press to open the menu interface Menu interface:Short press to return Playback interface:Short press to return
9	Right Button	Movie interface:Short press to enter playback mode Menu interface:Short press to select next Playback interface:Short press to select the next video, long press to fast forward
10	Reset Button	Short press to reset
11	No use port	No use port
12	LED Indicato	Recording LED indicator
13	Camera Lens	Front facing Fl.8 160° wide camera for video recording.
14	Memory Card Slot	Location for the micro SD memory card

Screen Overview

1.Video interface

ICONS	What does it mean?	ICONS	What does it mean?
WDR	This icon is displayed when WDR is turned on, but not when it is not turned on	WiFi	WiFi off status
	GPS off, GPS not plugged in	WiFi	WiFi is on and not connected yet
	GPS on, signal received		WiFi turned on and connected successfully
	GPS on, signal searching		This icon will be displayed when the video is locked, and will not be displayed if it is not locked
	MIC Recording off status		Snap button icon
	MIC Recording on status		Playback key Icon

	Set menu key Icon		Off button icon
	Recording switch button		

2.Playback interface

ICONS	What does it mean?	ICONS	What does it mean?
	Start playing		Lock file
	Pause playback		the previous
	Continue playing		next
	video file		confirm
	Picture file		return

USER AGREEMENT

By purchasing our Dash cam, it is assumed that by default you agree with precautions, user warnings and all the terms & conditions of warranty. If for any reason you do not agree with any of the terms mentioned in this manual, then you may return the product in its original packaging unused within its return window for a full refund.

PRE-CAUTIONS

Please read this manual very carefully before using the camera or installation and keep it safe for future reference. It will be helpful if you have any questions or encounter any operational problems.

1. Do not expose this product to rain, moisture or water under any circumstances or it will result in external or internal damage.
2. Do not put the unit in a damp environment. This device is not designed to be damp proof
3. Do not try to open the cover or try to repair it yourself. If the accessories for this device have any problem, please contact the seller for assistance.
4. This camera is intended to use inside motor vehicle. Don't install it where it will block the driver's view of the road including mirrors or the deployment of airbags.
5. Do not use the charger if the cord is broken or damaged. Keep out of reach of children
6. Do not leave the camera in the direct sunlight for a long period of time or where temperature could go above 140°F (60°C).

Installation guide

1. Installation position;

2. Do not install in an area that interferes with the driver's vision or safety.

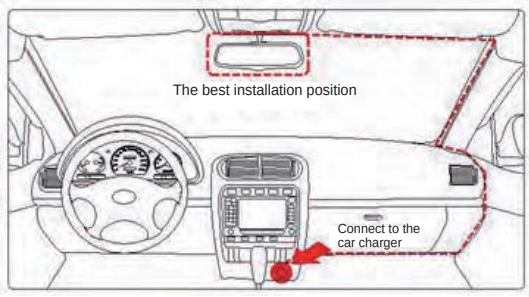
3. As far as possible, it shall be installed near the interior rear-view mirror with a better visual field.

4. The shooting position of the lens is within the cleaning range of the wiper to ensure clear shooting in rainy days.

5. Do not install in the active range of automobile airbag.

6. Do not install it on the automobile heat insulation paper to avoid damaging the automobile heat insulation paper.

7. The installation position shall not be affected by the automobile heat insulation paper or around any interfering electronic products.



Do not install the machine on the spring cover of the airbag or within the working range of the airbag. The company will not bear any legal liability for injury or death caused by vehicle collision or vehicle airbag problems

8. Installation method

Hold the host and bracket with both hands respectively.Select a suitable position, such as the right rear or the middle of the rear-view mirror, remove the adhesive protection sticker and stick it on the front windshield. (do not move within 24 hours after pasting),Adjust the shooting angle of the host, and it is best to center the front of the vehicle on the screen.

9. Installing memory card

Please use a genuine microSD memory card of from 8GB to 256GB with a speed rating of class 10 or higher. Insert the memory card to the camera's card slot, press it until it clicks. To take the card out, tum off the camera first then push the card into the slot until it clicks out.

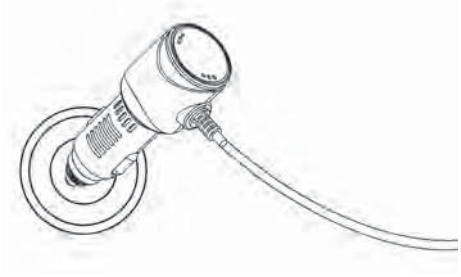
NOTE: When using a 64GB, 128GB or 256GB MicroSD card, please format it to FAT32 on the camera first.

Please insert the memory card into the host memory card slot with the metal side facing the screen. If it says 'please insert TF card' or 'error card please format' here, please press the recording button (OK button) and press the power button to access into the menu, go 'system setup' and choose 'Format SD Card'. Then select the" OK" and wait for 10 seconds. Then the card will be formatted successfully.

(If you format it on computer, please search online on "How to format a 64GB microSD card to FAT32".)

NOTE:The MicroSD card should be formatted every 2 weeks to maximize the lifetime of The memory card.
Please do not take the card out when the camera is recording in case that the important video files missing.

10. Insert the car charger into your vehicle's cigarette lighter port.



11. Start the car, the camera will auto turn on and start recording.

Basic Operation

1. POWER ON/OFF the camera

A. Manually

Short press the Power button to turn on the camera. Long press the Power button to turn off the camera.

B. Automatically.

When connecting to car charger, the camera will auto turn on after you start your car and the battery charging starts. It will auto turn off in 5 seconds after you shut off the car or unplug the charging cable.

NOTE: unplug the memory card after the host power is completely turned off to avoid damage to the stored files.

NOTE: the cigar lighter is still powered on after the flameout of some models, and it needs to be manually shut down.

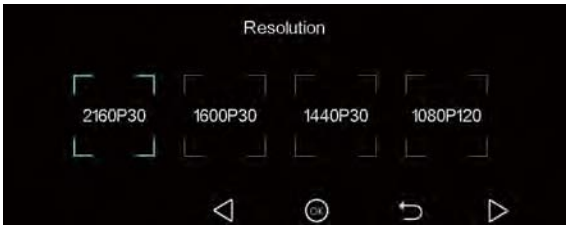
2.Menu settings

After powering on, one press the M button to enter the setup menus.(If the camera is recording video).

A. APP setting

Turn on the recorder WiFi,Turn on the WLAN of the mobile phone, search for the WiFi name displayed by the recorder, and enter the corresponding password, and then connect. The mobile phone is connected to WiFi, and the machine prompts Connect to indicate that WiFi is connected;Start the installed APP, enter the homepage, click " Please connect DVR" to enter the connection interface

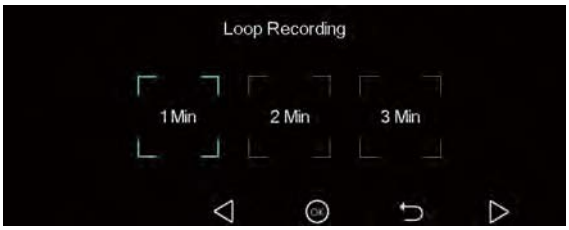
B.Resolution setting



You can choose the video resolution you like. Higher resolution videos will take more storage space.

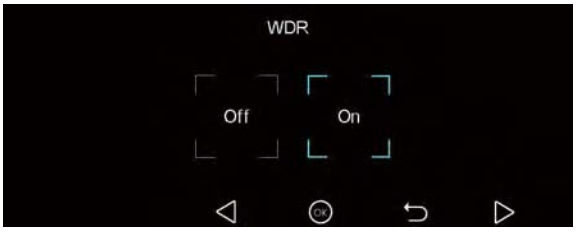
2160P30:3840 X 2160@30fps	10800P120:19200 X 1080@120fps
1600P30:2560 X1600@30fps	1080P60:1920 X1080@60fps
1440P30:2560 X 1440@30fps	1080P30:1920 X1080@30fps

C. Loop Recording



This feature allows camera to continuously record loop by loop so it can delete the old video files automatically when the memory card becomes full so you don’t have to manually delete them. This feature will split each video files to appropriate length based on your selection.You can set the recording length of each video. Optional: 1 minute, 3 minutes, 5 minutes.

D. WDR Setting

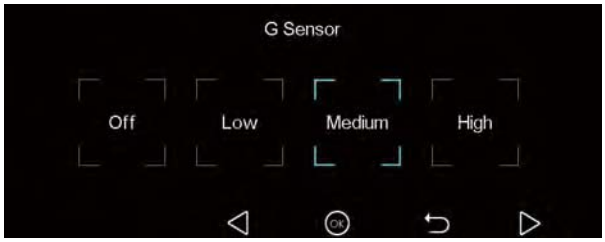


Wide Dynamic Range (WDR) improves the exposure by taking the combinations of over exposed and under exposed image into one robust wide range of lighting with higher depth image.You can set whether to turn on WDR wide dynamic

E.Audio Setting

You can set whether to record audio at the same time of video recording, with options of on / off.

F.G sensor setting



You can set the sensitivity of automatic emergency recording. Optional: off, low, medium, or high.

G. Parking Mode(This option requires a step-down cable)

You can set parking monitoring: off, one shot per second, motion detection.

If you choose time-lapse ,after this function is activated, if the host does not detect the movement of objects within the shooting range for 1 minute when the power is on, it will automatically switch to the 1 second 1 frame recording mode, and the screen will be

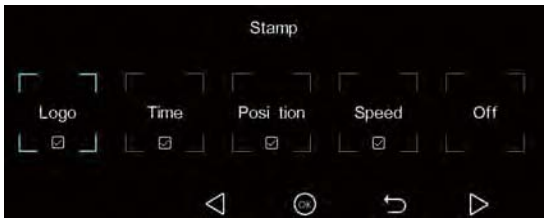
closed; When an object is sensed to move within the shooting range, the host automatically switches to normal video recording.

If you choose motion detection, the host will start recording when the power is on. If the picture in recording continues to remain stationary for more than 1 minute, the host will stop recording. The picture in recording moves again, and the host starts recording.

H. Data/Time setting

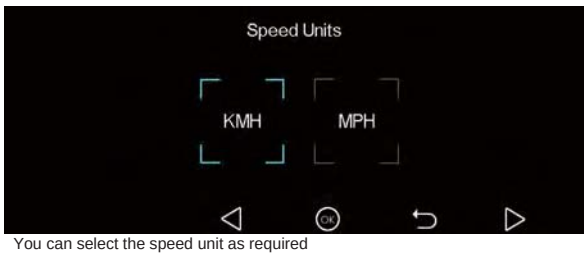
Set the date / time of the system; Year month day hour minute second

I.Stamp setting



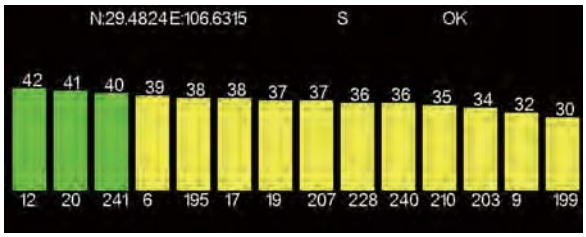
This stamps menu allows you to choose your choice of stamps for the bottom of the video. By default they are all ON.

J. Speed Units



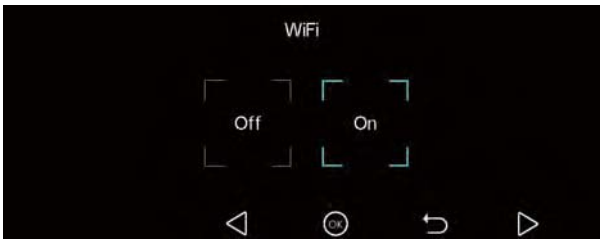
You can select the speed unit as required

K. GPS



The GPS receiver starts to search and receive GPS signal, and the GPS icon is gray On the screen. Once it gets GPS signal successfully, the icon will turn green.

L.WIFI

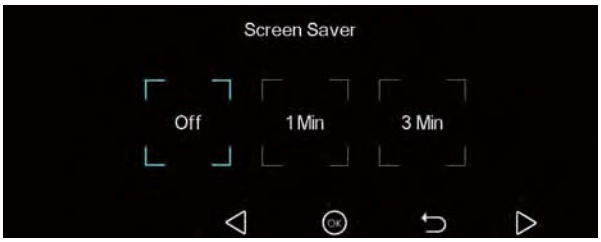


Turn WiFi on or off directly

M. Auto WiFi

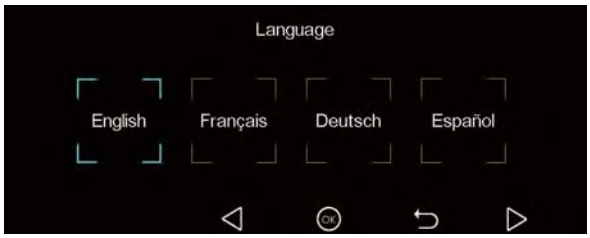
When Auto WiFi is ON,WiFi will be turned on automatically when the device is powered on

N. Screen saver



Set the time to enter the closing screen: off, 1 minute, 3 minutes

O.Language setting

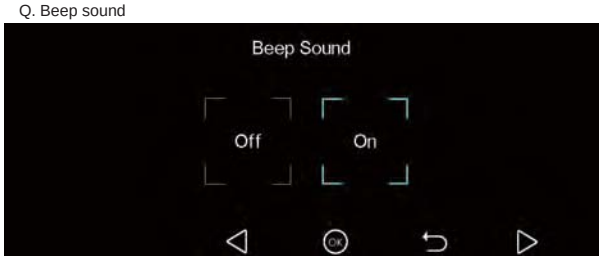


Set the language displayed by the system. Optional: English, Frencais, Deutsch, Espanol, Japanese.

P. Time zone

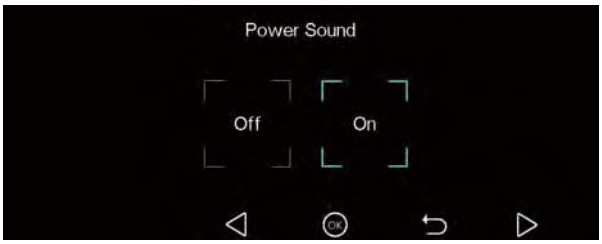
Set the corresponding time zone according to the used city region

Q. Beep sound



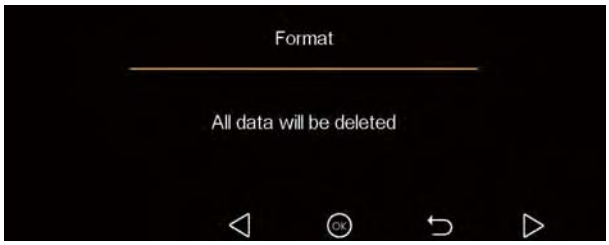
button sound ON/OFF

R. Power sound



Set power on / off sound

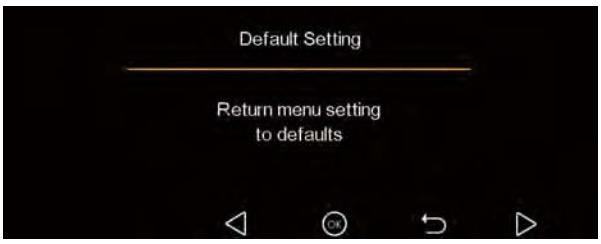
S.Format



This action will delete all data on the memory card.

NOTE:This operation is irreversible. Please back up the images or photos before performing this operation.

T.Default

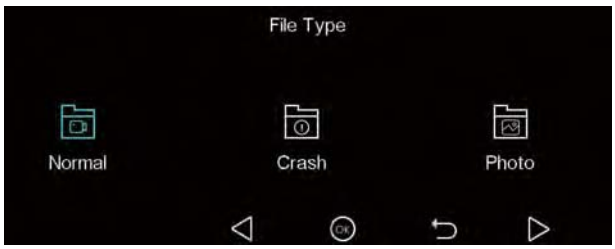


Restore the settings to the factory default values.

U.Version

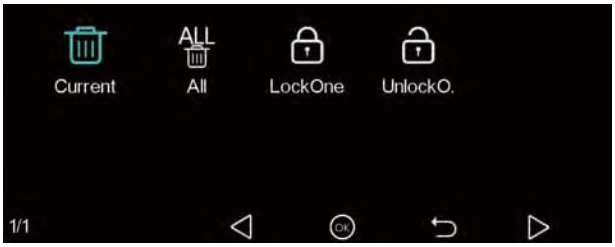
Viewing machine firmware version information.

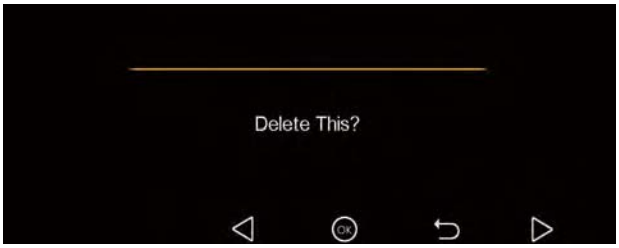
V.File Type

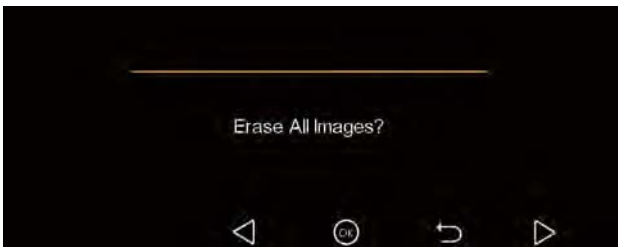


TF card files include normal files、crash files、photo

W.Video files and picture settings







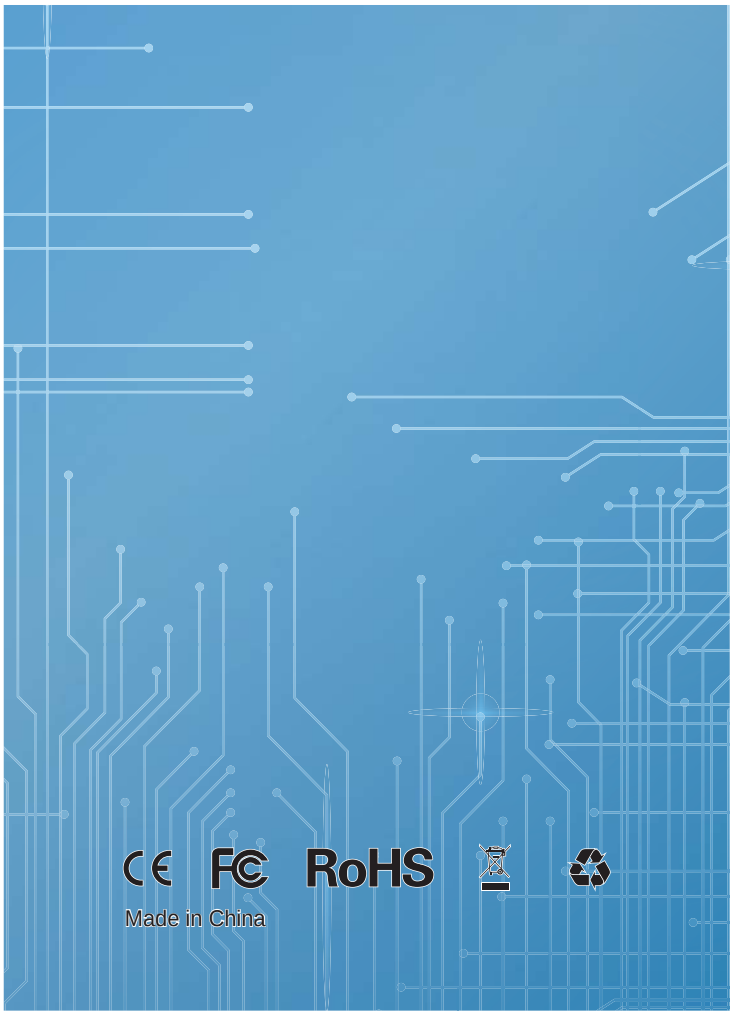
File deletion and locking

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

NOTE: 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 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.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.


RoHS
Made in China