

Dual Lens Vehicle BlackBOX DVR



Use Manual

Preface

Thank you for purchasing our product, designed to capture accident evidence. It can also be used to for meetings, monitoring, forensics, location filming and sports video capture. One device to let you capture life rich moments in full color.

This product is a blend of a dynamic digital industry leading camera, accurate time stamping, seamless circular recording,

ultra wide angle shooting and display for real-time playback. It also offers movement based detection and parking guard technology in one. The design is streamlined for compact size and made of quality materials.

This manual will detail how to install, configure and operate your camera. Please read this carefully before use and keep for future reference. We hope that this product meets your needs and provide a long service life. Please note that some specifications may change due to product improvement updates without prior notice.

Infringement of copyright or privacy notice

Please note that this product is for personal use only and that you agree to use it within the laws applicable to your country. It must not be used to violate copyright, sensitive commercial activities or personal privacy. The manufacture cannot be held responsible for any breaches of

such caused by the use of their products. Prior consent should be obtained in all circumstances.

Installation notes

This product should be installed to the passenger side of the rearview mirror, and must be installed in accordance to the laws in operation in the country of use.

Angle the camera in order to get the best view.

Within legal stipulations, the lens should be within the arc of the windscreen wipers to maintain clear vision.

Avoid touching the lens with your fingers, which could cause blurring of the recorded image. To maintain a clear image, please clean the lens carefully and regularly. Only use a soft non-abrasive cloth for cleaning purposes.

attention

Only use the manufacturers original factory standard charger.

The device warranty will be rendered null and void if the product is damaged, dismantled or modified. For fixed installation please seek professional advice and fitting. The warranty does not cover damage caused by incorrect usage or fitting.

Package include : Please contact your supplier/manufacturer if any items are not present in the package or damaged. Not included: Micro SD card (class 10 or above, max 32GB)

Package Include



suction holder



Charger



data USB cable



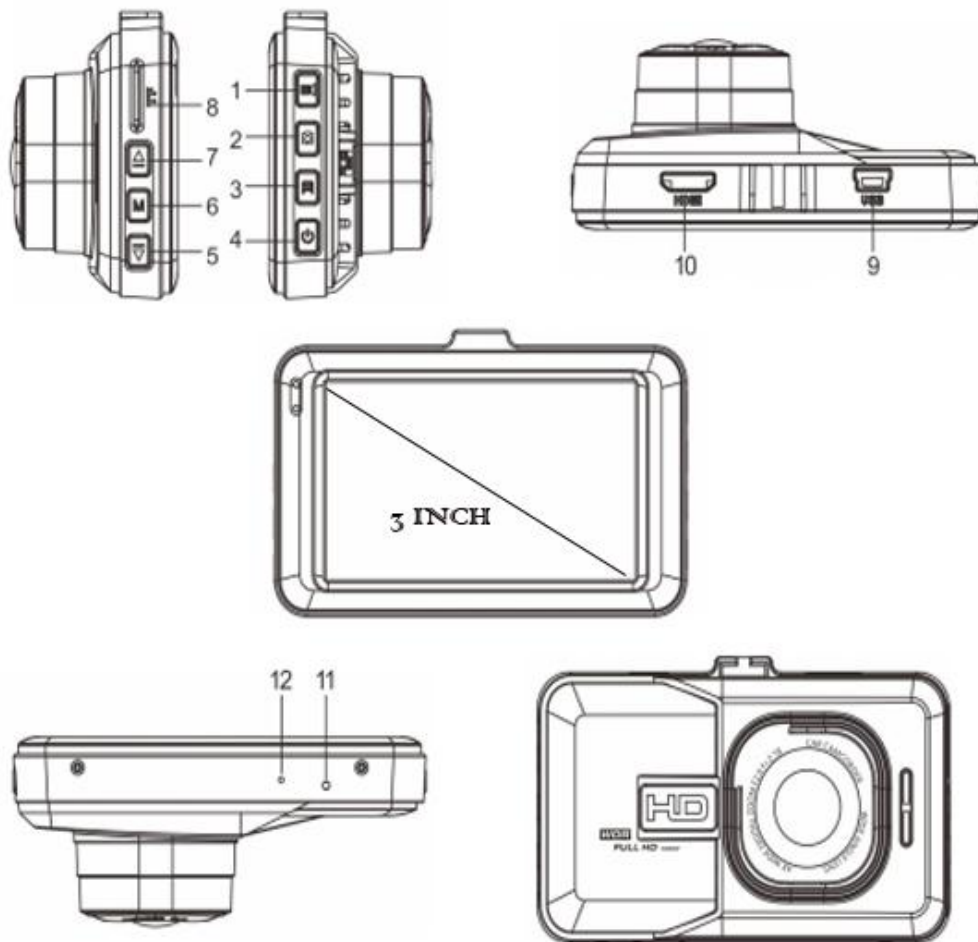
power cable



rear camera



user manual



1 OK OK

Menu mode: confirms menu selection.

Camera mode: short press to start/stop recording.

2 File lock/unlock key

File mode: toggle lock/unlock file (locked files will not be overwritten by the continuous record).

3 M Mode switch

Camera mode: switches between video/photo/playback mode.

4 Power key

Long press to switch on/off. Short press to turn the backlight on/off

5 Menu Up / Switch lens front/rear / Toggle impact detection / rewind key

Menu mode: move upward/left

Standby or video mode: cycle through view modes front/rear/PIP (picture-in-picture)/split screen etc.

Playback mode: backwards/rewind/replay.

Long press to toggle impact detection mode.

6 The menu key

Standby mode: short press the key to open the setup menu. Use the Up/Down/OK buttons to navigate and change settings.

7 Menu Down / recording key

Menu mode: move downward/right.

Standby mode or video mode: Start/stop recording quick key.

8 Micro SD card slot

Memory card slot, please insert the card with the picture side facing front and pins facing rearward. Insert the card carefully, it should slide in smoothly and then a further push to click in. The slot is designed to prevent incorrect insertion but care must be taken not to overpower and break this mechanism.

9 Mini USB power/PC interface

For connecting the PC to access files data or connect power.

10 AV-IN

Allows other video sources to be shown on the device screen.

11 Reset button

System reset button.

12 Microphone

For recording local audio. Must be enabled in the settings menu. Warn passengers if enabled (abide by privacy laws).

Recorder installation

1. Insert a micro SD memory card: please insert the card with the picture side facing front and pins facing rearward. Insert the card carefully, it should slide in smoothly and then a further push to click in. The slot is designed to prevent incorrect insertion but care must be taken not to overpower and break this mechanism. A memory card must be at least class 10.

Note: When first using a new memory card format the card in the camera (menu option).

2, Remove the memory card memory card: Press in gently until the card pops out and can then be removed carefully by hand.

Note: Do not remove the memory card whilst the device is switched on or damage may occur to the memory card.

3, Attach (slide together) the suction mount to the camera. Install to the passenger side of the rearview mirror in accordance with local laws. Clean the surface where the suction cup will be placed before placing it and operating the lever to increase the suction and fix it in place.

4, Connect the power supply

Please use the original manufacturer supplied charger. Insert the charger into the vehicle 12V accessory socket which should become live when the ignition is on. Connect the mini USB end of the charger wire to the socket in the camera.

Note: the wiring should be routed and hidden as shown above along the top of the windscreen tucked into the ceiling trim, down inside the windscreen side trim panel and under the glove box to the accessory socket.

5, Switching On/off

The camera will switch on automatically when power is supplied. The built-in rechargeable battery will charge when power is supplied. The battery is only designed to power the camera in the event of an impact detection or allow it to save files before shutting down when power is removed.

Long pressing the power button will also shut the device down or start it back up.

Initial set-up

Set the date and time:

1. the device is automatically boots into camera recording mode, press the OK button so that the device enters the standby, then press the menu button, navigate to the "Set Time/Date" option and use the OK/Up/Down buttons to configure the date/time.

Camera recording information and settings

1. When ignition is switched on and power is supplied, the camera will automatically switch on and began recording. When the ignition/power is turned off the recording will be saved and the camera will switch off.

The recording can also be stopped/started by pressing the OK key.

If the power does not turn on/off with the ignition and is permanently live, the power must be manually turned on/off or the camera disconnected/reconnected manually to avoid draining the vehicle battery.

2. If an impact is detected by the G-sensor, the camera will start up and record for a period, lock this file and shut down again. The sensitivity of the G-sensor can be configured in the menu settings.

3. The camera can be configured to record for 2, 3 or 5 minutes before saving the file and starting a a new one. This is to ensure that the file is saved to the memory card in the event of a power loss.

4. If the memory card is approaching being full, the camera will being to overwrite existing recordings starting with the oldest files first. If the card is full of locked files these must be unlocked and deleted manually. It is recommended to periodically (suggested monthly) format the memory card to prevent it becoming full of locked files. Remember to save any required files to a computer.

Camera recorder operation

- 1, Short press M to switch to camera mode (the camera icon is displayed in the upper left corner of the screen).

- 2, Short press the OK key to take pictures. The screen will flash to indicate that a picture has been taken.

Video/photo playback operation

- 1, as in video mode, press the OK key to stop recording first if necessary.

- 2, short press the mode (M) key to switch to playback mode, playback icon is shown at the top of the screen.

- 3, press the Up/Down keys to navigate between the files.

- 4, short press OK key to play the selected video files, and again to pause playback.

Menu operation

- 1, if you are recording, click the OK button to stop recording.
- 2, short press the menu button to bring up the menu.
- 3, short pressing the Up/Down keys moves up/down through the menu items.
- 4, choose the settings to change and short press the OK key to edit the option. use the Up/Down keys to change between the menu options and short press OK again to accept the choice.
- 5, short press the menu button again to return to the standby mode.

Special function:

1, Impact detection function

When recording and an impact is detected, the device will automatically set the time of the event and save and lock the video file.

The G-sensor for detecting impacts can be set to high/medium/low. The default is low. If this setting is to high, road bumps/pot-holes can trigger the impact detection function.

2, File locking function

Pressing the File lock/unlock key will cause the current video to be saved and locked.

3, Parking monitoring (guard) function

When the power is turned off, the device will automatically shutdown into standby mode and the impact detection function will detect vibration and cause the device to power on and record for 10-15 seconds, save and lock the file and go back into standby mode. A further impact will trigger this again.

Note: for the parking monitoring function to work, the camera must be automatically shutdown by the power being turned off. It will not work if the camera is manually turned off using the power key.

4, Movement detection function

If movement detection is enabled in the menu settings, and the camera is automatically shutdown, any movement detected by the camera will power on and record for 10-15 seconds, save and lock the file and go back into standby mode. During this the movement detection icon will be shown. Further movement will re-trigger this function.

5, USB mode

When the USB cable is connected to the computer, the recorder will switch to file transfer mode and provide the following options:

1) file transfer mode

The camera will be presented as a USB memory device providing access to pictures and video files, allowing them to be viewed/copied/moved or deleted.

2) camera mode

The camera will be presented as a USB web-cam device allowing web photo or video chat.

3) charging

This mode can be used for charging the battery.

6, Battery instructions

Battery indicator icon represents the remaining power:

Full power

Medium power

Low battery

Battery empty

When connected to power, the icon will indicate charging along with the red LED being illuminated. The charging time is approximately 180 minutes. When the battery is full, the LED will turn off.

Note: This device is designed to be powered when operating, the battery is only designed to power the camera in the event of an impact detection or allow it to save files before shutting down when power is removed.

7, RESET

If the device exhibits abnormal behaviour, press the reset button through the hole using a small thin item such as an unfolded paper-clip.

Status bar display icons and their meaning

1,

Video camera mode (steady=standby, flashing=recording)

Photo capture mode

File playback mode

2,Recording time

3,Movement detection enabled.

4, Flashes to indicate movement detected.

5,Computer access mode

6,Parking monitor enabled. Parking monitor disabled.

7,Impact detection triggered, recording will be saved and locked.

8,Memory card present. Memory card removed.

9,Microphone enabled. Microphone disabled.

10,Battery status.

11,Current time/date

Setup menu

Menu options	Explanation	Available options
--------------	-------------	-------------------

Resolution	Set the video resolution	1080FHD/720P
------------	--------------------------	--------------

Recording period	Set length of each recorded video file	
------------------	--	--

2 min, 3 min, 5 min, off

If you choose off, the camera will not record.

AWB	Automatic White Balance	Automatic/sunny/cloudy/incandescent light/fluorescence
-----	-------------------------	--

Exposure	Under/over	-3/-2/-1/0/1/2/3
----------	------------	------------------

Color	Tint	None/mono/negative/ancient/light blue
-------	------	---------------------------------------

Motion detection	Disabled/Enabled	OFF/ON
------------------	------------------	--------

Water mark	Date/time stamp in video	OFF/ON
------------	--------------------------	--------

Microphone	Disabled/enabled	OFF/ON
------------	------------------	--------

Language Menu language Simplified Chinese/simplified first
article/English/German/Japanese/French/Polish/Korean/Italian/Russian/

Camera refresh rate

Viewing video (AV-IN) PAL(50Hz)/NTSC(60Hz).

Recording video under artificial light to match mains frequency.

50HZ/60HZ

Parking monitor External vibration/impact enable/disable OFF/ON

Rear camera Rear camera video format VGA_PAL/VGA_NTSC

Rear camera voltage trigger Over 10.5V trigger show rear view OFF/ON

set Date and time Allow setting of date/time Year, month, day, hour, minute, second

Format SD card Wipe memory card data Cancel/confirmation

Reset defaults Reset settings to defaults Cancel/confirmation

Version info Factory software version The software version number

Product specifications:

Product name Dual channel DVR

Date/time stamp Supported

Product features 170 degree wide angle, 1080P full HD

Device memory 1024MB

G-sensor Built-in

Display size 3" TFT

Photo format JPEG

Camera lens 170 A+ level lens

Memory card TF (Maximum supported = 32GB)

Microphone Supported

File format MOV

Sound Built-in speaker

Video resolutions 1920*1080P/1280*720P

Parking monitoring Supported

Video format MJPEG, Audio: AAC

Video format PAL/NTSC

Colour effects Supported

Video frequency 50HZ/60HZ

Continuous record Supported

USB functions 1: Power 2: PC_data

Automatic power-on Supported

Power supply 5V 1A

Motion detection Supported

Battery capacity 300mAh

Troubleshooting

Problems and solutions:

Does not boot:

Check the device is being supplied with power. The device needs to have some charge to switch on. Try recharging the battery. Try pressing the reset button.

The camera does not or stops recording: Ensure the card is capable of the read/write speeds for HD video (class 10 card or above). The card may be full of locked files (delete files or format the card).

Motion detection not working:

Make sure this is enabled in the settings.

Video quality:

Ensure that the lens is clean. Video quality is related to the lighting conditions and better quality in daylight, try adjusting the white balance and exposure. Artificial lighting can cause flicker, adjust the frequency to match the mains voltage frequency.