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ZOOM+2

DUAL HD DASH CAM

with GPS



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1. Product Structure:



2. Mode Button
3. Lock Button
4. Power Button
5. Rear Camera Input (ZOOM+2)
6. Mini USB (Power Input)
7. Speaker
8. Reset Button
9. Microphone
10. Down Button
11. Menu Button
12. Up Button
13. SD Card Slot

2. Button Function Description:

Mode Button

Switch between recording mode, camera mode, and playback mode.

Select Button Up

Enter menu options for selecting up.

In playback mode, short press this button to select down to select the page.

When playing back the video, short press this button to rewind the video.

Select Button Down

Used in the menu options for downward selection.

In the video preview/recording mode, short press this button to turn the microphone on/off.

In playback mode, short press this button to select down to select the page.

While playing back the video, short press this button to fast forward the video.

Menu Button

Short press this button on each interface to call up the function setting menu.
Press this button again to switch to the system setting menu.

Power Button

In the off state, press and hold this button for 3 seconds to turn it on, and press and hold again to turn off the power.

In the video/photo/playback preview interface, short press to enter the screen saver.

OK Button

In the recording mode, short press to start/stop the recording function.

In the photo mode, short press to take a photo.

In the playback mode, short press to play and pause video playback.

In the menu mode, short press to confirm the selection.

Lock Button

In the recording mode, short press this button to manually lock the video currently recorded.

Reset Button

When the machine is stuck, you can click this button to reset to default settings and restart.

Mini USB

1. Connect the GPS antenna to this port, then connect the cigarette charger to the GPS Antenna.

2. Use to connect an external power supply to charge the battery or provide working power.

SD Card interface

For Micro SD memory card insertion.

Select the appropriate Memory Card-

- Pro Endurance MLC MicroSD card is recommended for continuous use and has a longer cycle life.
- High Quality Class 10 TLC MicroSD card is recommended for intermittent use only and has lower cycle life.

The Memory Card is a consumable product.

Because the SD Card will be used for a long time, please check it regularly.

It needs to be replaced if it has reached the end of its cycle life.

Insert the memory card before starting the device.

Make sure the memory card is installed correctly and formatted in the unit.

NOTE: Do not remove the Memory Card while saving or extracting data. Otherwise recorded information will be damaged or lead to a malfunction.

3. Special Function Description:

Automatic ON/OFF

After correct installation; when the vehicle's accessories is on, the unit will automatically turn on and automatically start recording. After the vehicle's accessories is off, the unit automatically saves the video and shuts down.

Motion Detection

When in a standby state; if an object moves in the front of the camera viewing range, the movement process will be recorded automatically. The unit will stop recording when no moving objects are detected in order to extend the recording storage time.

Reverse Trigger

Connect the red reverse trigger wire on the camera lead to reverse lamp positive to activate the LCD display when the vehicle is in reverse (optional)

4. Basic Function Operation Instructions:

Power ON and OFF

Press and hold the power button to turn it on, and press and hold the power button again to turn it off.

Note: When the battery voltage is low, the unit will automatically shut down.

Camera Mode

Short press the MODE button to switch to the camera mode. The camera icon is displayed in the upper left corner of the screen.

Short press the OK button to start the camera, and a flashing red dot will appear next to the camera icon to indicate the video recording is working.

Photo Mode

Short press the MODE button to switch to the photo mode. The photo icon is displayed in the upper left corner of the screen. Press the OK button to take a photo.

Video/Photo Playback

Short press the MODE button to switch to the playback mode. The playback icon is displayed in the upper left corner of the screen.

Short press ▲ to select a file up, and short press to rewind when playing back the video.

Short press ▼ to select a file down, and short press to rewind when playing back the video.

Short press OK to play the selected video file.

Menu Settings

Short press the menu button to enter the video menu setting state.

Short press the menu button twice to switch to the system menu setting state.

Short press the menu button three times to exit the setting state.

In the set item that is called up, you can select the switch up ▲ and down ▼ in the setting sub-item by short pressing the key and press the OK key to enter the setting sub-item.

Time Settings

Short press the menu button to enter the setting state.

Press the menu button again to enter the setting menu, then select the date and time option by pressing the ▲ or ▼ button.

Short press the OK button to enter, enter the date and time setting interface. You can use the OK button to perform the year/month/day/hour/minute. Switch between/seconds, use the ▲ or ▼ to adjust. Press the menu button to confirm the modification.

5. Setup Menu Detailed Function Introduction:

Video Resolution

Select- 1080FHD, 720P or VGA.

Loop Recording

Each recorded video file can be selected as 1 minute, 3 minutes, 5 minutes or off.

Note: Off selection will not loop record.

Interval Recording

Optional- off / 100ms / 200ms / 500ms.

Note: When the storage time is one second file, when set to 100ms, record 3 seconds, when set to 200ms, record 6 seconds, set to 500ms, record 15 seconds.

WDR

Wide dynamic range improves video quality when light intensity is widely different. Thus improving video capture detail in night or in low light and in high brightness or daylight situations. Selectable - ON/OFF

Exposure Compensation

Use to adjust the brightness of the light entering.

When the exposure is set too high, it will be too bright to recognize details like the license plate information.

Motion Detection

When this function is turned on, the loop recording storage time of the TF card will be increased. When there is no video recording, the video recorder detects whether there is a moving object, and when the moving object is found, the recording will be automatically started.

Microphone

You can choose whether to record sound or not. Check if this option is on when the video playback has no sound.

Date Label

When the selected to "on", the computer playback video screen will display the time and date.

Gravity Sensor (G-Sensor)

Select- high, medium and low.

If the sensitivity is too high, you can choose a lower sensitivity as appropriate.

When the vehicle experiences an impact, the image will be locked and will not be covered by loop recording.

Note: If you find that the memory card always indicates that the memory card is full, adjust

the G-Sensor sensitive to low and format the memory card.

Parking Guard (Monitoring)

When the vehicle ignition or accessory power is off, the unit will also turn off. However If the unit senses a movement or bump, the unit will automatically start recording for 30 seconds.

Note: For this feature to work:

- 1. Internal battery must have sufficient power.*
- 2. G-Sensor needs to be active. See settings.*

6. Photo Settings Menu Function Introduction:

Shooting Method

Optional single shot / 2 second timing / 5 seconds timing / 10 seconds timed shooting, default single shot.

Photo Resolution

Select- 12M/10M/8M/5M/3M/2M/1.3M/VGA. The default is 1.3M.

Continuous Shooting Function

When the selection is turned on, three consecutive shots can be achieved.

Image Quality

Choose quality- standard, economy, default quality.

Sharpness

Choice of strong, standard, soft, default standards.

White Balance

Color tone selection for different environments.
Automatic recommended, otherwise it may cause color distortion. Automatic is the default.

Colour

Select- no special effects / black and white / nostalgic.

ISO

Select- automatic /100/200/400. Default is auto.

Exposure Compensation

It is used to adjust the brightness of the light entering the lens.
When the exposure is too high, it will be too bright to recognize the license plate details.
The default is 0.

Anti-Shake

Select- on/off.

Quick Preview

Select- off /2s/5s.

When 2s/5s is selected, the photo preview time can be the corresponding setting time.

7. System Setting Menu Function Introduction:

Screen Saver

When this function is enabled, the unit will turn off the screen backlight within the selected time.

Select- off / 30 seconds / 1 minute / 2 minutes.

Automatic Shut-Down

When the unit does not have a SD card or there is no recording operation, the unit will automatically shut down at the selected time.

Select- off / 1 minute / 3 minutes / 5 minutes.

Source Frequency

Select- 50Hz / 60Hz video according to the video playback in your country.

Button Sound

Button sound select- on/off.

Language Selection

Set the required national language text.

Date/Time

Select the adjustment date/time.

Note: the set time will need to be re-set if the internal battery is exhausted.

Format

Memory card formatting required when the SD card is first inserted.

When the card is locked because the memory card is full or to delete the video/photo content of the card at one time.

Note: it is recommended to re-format the card every 15 days.

Default Setting

This setting can be selected by pressing the reset button.

Version

Software version number.

8. Playback Mode Menu Function Introduction:

Delete

You can delete the unlocked video or picture, you can choose to delete the current or all.

Protection

You can manually lock the current file or all unlocked videos and unlock the locked video.

Slide show

Select- 2 seconds/5 seconds / 8 seconds.

9. Troubleshooting:

If you experience a problem with the product, please refer to the following solution:

Can't Record or Take Pictures:

Check if the SD card has been formatted, has enough space or is locked.

When recording, it will stop automatically:

Due to the huge HD video data demands, please use SDHC-compatible high-speed TF card.

Select the appropriate Memory Card:

- Pro Endurance MLC MicroSD card is recommended for continuous use and has a longer cycle life.
- High Quality Class 10 TLC MicroSD card is recommended for intermittent use only and has lower cycle life.

The Memory Card is a consumable product. Because the SD Card will be used for a long time, please check it regularly. It needs to be replaced if it has reached the end of its cycle life. Make sure the memory card is installed correctly and formatted in the unit.

"File Error" Prompt Appears When Playing Back Pictures and Videos:

An error occurred while storing the data on the SD card, resulting in incomplete files. Please use the "Format" function of the camera to reformat the SD card.

The image taken is foggy or un-clear:

Check the lens for dirt and fingerprints. Use a soft lens cloth to wipe the lens before shooting.

When Shooting Scenes Such As The Sky And The Water, The Image Is Very Dark:

The camera's auto exposure function is affected in large contrast scenes and can be corrected by adjusting the "EV" value in the unit's setup menu.

Under Cloudy And Indoor Light, The Color Performance Is Poor:

Please check if the unit's "White Balance" function is set to auto.

There Are Horizontal Stripes In The Image:

This is caused by setting the wrong "light source frequency". Please set it to "50Hz" or "60Hz".

WARNING: DO NOT OPERATE THIS UNIT WHILE DRIVING AS IT MAY CAUSE A CRASH.

10. Specifications:

• Display:	3" LCD
• Chipset:	JL5401
• Image Sensor:	GC2053 (Rear Camera H62)
• Image Sensor Resolution:	2 Mega Pixels
• Resolutions:	Front: 1920 x 1080p @ 30fps, 1280 x 720p @30fps Rear: 1280 x 720p @30fps
• Lens:	4G Element Glass
• Lens Viewing Angle:	140° Diagonal
• Memory Support:	Up to 1 x 32GB Micro SD Card (Included)
• WiFi:	No
• GPS Function:	Yes
• Mapping Data:	Route, Speed
• Night Vision:	Low Lux, WDR (Wide Dynamic Range)
• G-Sensor:	Yes
• Parking Monitoring:	Yes
• Seamless Loop Recording:	Yes
• Reverse Camera Trigger:	Yes
• Photo Function:	Yes, 12MP
• Codec:	H.264
• File Type:	.MP4
• Power Supply:	12/24V Cig Power Lead
• Built-In Battery:	200mAh
• Settings Memory:	Built-In Battery
• Dimensions:	Front: 86W x 53H x 35Dmm (Not Incl. Mount) Rear: 52W x 28H x 34Dmm (Not Incl. Mount) 5.8m Lead
• Mounting:	2 Sided Adhesive, Front & Rear Camera

Includes:

- 3M Windscreen Mount
- GPS Antenna
- 12/24V Cig Power Lead
- Rear Camera Adhesive Pad

Notes

WARRANTY

Congratulations on your purchase of a quality **axis** Mobile Safety System! You're joining thousands of satisfied customers who enjoy & experience the benefits of the products we distribute. In the unlikely event that some technical difficulty arises with your purchase, be assured that we are most anxious to see that the problem is quickly rectified to your satisfaction. Please familiarise yourself with the following simple conditions of our warranty. This warranty covers faults through component failure or failure of the product to operate in accordance with published specifications. Product failure as a result of unreasonable environmental conditions, accident, misuse, improper installation, unauthorised repair, vehicle electrical or wiring faults or neglect etc, will not be covered by this warranty. Removal and installation costs, if any, would be paid by the owner as well as any freight or postage costs of transporting the product to AudioXtra. AudioXtra shall not be liable or responsible for any loss of use of this product or any form of consequential loss.

CONSUMER WARRANTY

This product is warranted by AudioXtra Pty Ltd to be free from defects in materials and workmanship under **NORMAL USE** for a period of **TWENTY FOUR MONTHS** from the date of purchase.

WITHIN 30 DAYS OF PURCHASE DATE:

Please return the unit for replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date **must** accompany the products.

AFTER 30 DAYS OF PURCHASE DATE:

Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorised centre concerned with this repair. This proof should take the form of either:

- The warranty card accompanying this product, stamped and dated by the dealer.
- A Tax Invoice or Receipt showing full details of original vendor, purchaser, model number and serial number.

COMMERCIAL WARRANTY

A product used in or associated with a commercial application will carry a limited SIX MONTH warranty. An abnormal commercial application is one where usage, dust, vibration, heat/cold and other environmental conditions exist at an extreme level.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Please complete details below in the event of warranty service being required.

Purchaser's Name: _____

Purchaser's Address: _____

Model Number: **ZOOM+2** _____ **Serial Number:** _____

Dealer Name: _____ **Date of Purchase:** / /

Dealer Address: _____

Invoice/Sales Docket no: _____

General Hints: To expedite service and prompt return of the equipment, please:

- Clearly describe the fault in detail
- Safely and securely pack the unit for transport
- Include your return address
- Provide proof of purchase date as outlined above

National Service Centre:

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Telephone: (02) 8841 9000 Fax: (02) 9636 1204
email: services@audioxtra.com.au

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