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# HD Vehicle Video Camera With Touchscreen



8021216

## User Manual

Please read carefully and keep this manual for future reference.

**F L U I D** TM MC

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# IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Refer all servicing to qualified service personnel.



## CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. DO NOT PLACE OBJECTS FILLED WITH LIQUIDS ON OR NEAR THIS UNIT.

**CAUTION:** DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

## SEE BOTTOM OF UNIT FOR GRAPHIC SYMBOLS



The lightning flash with an arrowhead within a triangle alerts you to uninsulated dangerous voltage within the product's enclosure that could cause an electric shock.



The exclamation point within a triangle alerts you to the presence of important operating, maintenance and servicing instructions in this user's manual.

# PRECAUTIONS

## BEFORE USE

1. Remove all packaging materials from unit. Check to make sure that you have removed all included components before discarding the box and packing
2. Choose unit installation location carefully
3. Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth
4. Keep this manual in a safe place for future reference

# PRECAUTIONS CONTINUED

5. Format the SD card using the format function before the first use
6. Never operate this device while you are in control of a motorized vehicle. Use of this device while driving could divert your attention away from the primary task of driving. All distractions endanger the driver, passengers and bystanders

## OVERVIEW

Thank you for purchasing the Fluid HD Dash Video Camera.

### PACKAGE CONTENTS

- Camera
- Power cord
- Mount and holder
- USB cable
- A/V cable
- User Manual

### FEATURES:

This product has the following features:

- Direct power supply from vehicle DC socket. DC 12-24 V
- Supports multiple movie resolutions:
  - 1920x1080, 30fps
  - 1280x720, 30fps
- Supports photo capture with 1920x1080 image resolution
- H.264/MPEG4 AVC video encoding. MP4 file type
- Diagonal 177 degree high-definition wide angle lens
- 2.7" touchscreen TFT LCD, 16,000,000 "true colour display"
- Supports 4GB to 32GB SD/SDHC card
- Exclusive scene recognition algorithm, advanced image signal processing and excellent image quality
- Wide operating temperature range. The camera works continuously for more than 8 hours in temperatures from -20°C to 70°C
- Seamless and cyclical recording with overlapping supported
- Smart motion detect algorithm
- Built-in G-sensor with advanced collision detection algorithm

- Built-in MIC and speaker
- Built-in super capacitor to serve as UPS (Uninterruptible Power System) when the external power supply is cut off
- Composite video broadcasting signal output with line-out
- GUI (Graphic User Interface) adopts the combination design by buttons and touchscreen, simple and easy to use
- Supports multiple languages
- Supports 5V external mobile power bank supply

## IDENTIFYING THE PARTS

### FRONT



### BACK



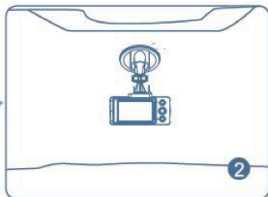
- |                     |                  |                      |
|---------------------|------------------|----------------------|
| 1. Lens             | 6. Speaker       | 11. Mute Button      |
| 2. Power/REC Button | 7. LCD           | 12. Menu Button      |
|                     | (Touchscreen)    | 13. Emergency Button |
| 3. Micro USB Port   | 8. Mounting slot | 14. LED indicator    |
| 4. DC IN (12V)      | 9. Microphone    |                      |
| 5. AV/Out           | 10. SD Card slot |                      |

\*GPS/IN function is not applicable for this model.

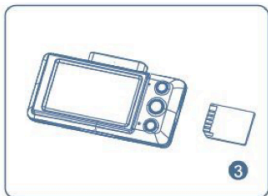
# INSTALLATION



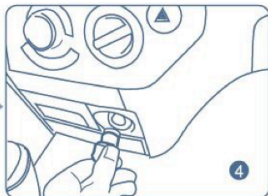
Place the holder's sheath into the square hole on the top of the camera.



Adjust the camera until it is aimed in the right direction.



Insert an SD card.



Plug in the power cord.

## INSTRUCTIONS:

1. Insert the holder's sheath into the square hole on the top of the camera and push it along until the end. The camera will be firmly fastened to the holder.
2. Tighten the holder's suction cup.
3. Tweak and adjust the camera until it is aimed in the right position. Fasten the nut so that the camera will be tightened firmly to the holder.
4. Insert an SD card. (SD card not included).
5. Take out the power cord. Plug one end into the vehicle's DC socket, and plug the other end into the camera's DC IN jack.

\*If you want to use another power source from the vehicle or lay the power cord implicitly, please consult qualified personnel for service.

# POWER ON/OFF

## POWER SUPPLY


This product has no built-in battery. There are two options of supplying power.

**Option 1:** Supply DC 12/24V from the vehicle's cigarette lighter socket. The power supply is ready to use. The built-in super capacitor can be charged and serve to supply power when the external DC 12/24V supply is cut off. Movie files will not be damaged if the power supply is suddenly cut off.

**Option 2:** Supply DC 5V through the micro-USB port. This power supply option is designed mainly for portability and allows the camera to be used as a handheld camcorder.

**Note:** When using *option 2*, the super capacitor can not be charged or serve as backup power when the external power supply is cut off. The user must manually stop recording and save the movie file properly before cutting off the external power supply. Otherwise, movie files might be damaged.

## POWER ON AND AUTO RECORD

When using power supply *Option 1*, the camera will start and initialize automatically when the power supply is ON. The camera enters recording preview mode after initialization. At the same time, the built-in super capacitor will be charged with the  icon displayed on the screen. When the charging finishes, the icon disappears and auto recording starts. When using power supply *Option 2*, the camera will NOT start automatically when the power supply is ON. The user needs to press the "POWER/REC" button to power on the camera. After powering ON, the camera enters recording preview mode without starting auto recording. To start recording, the user needs to press the "POWER" button once again.

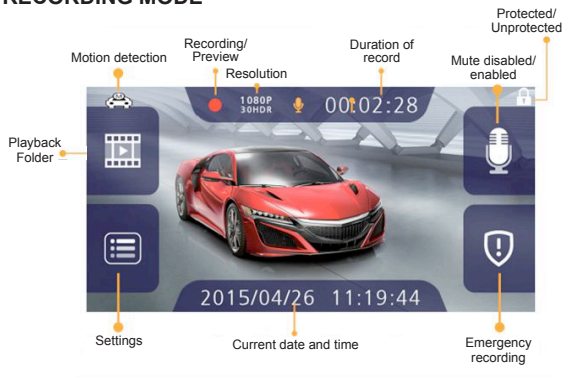
## POWER OFF

Once the camera is powered ON, no matter what state it is in, it will be powered OFF when the "POWER/REC" button is held down for more than 2 seconds.

When using power supply *Option 1*, the external power supply can be cut off directly. When the external power supply is cut off, the built-in super capacitor serves as UPS (Uninterruptible Power System) so that the camera can end movie recording and begin the normal powering off sequence.





## FUNCTIONS INTRODUCTION

### RECORDING MODE





The following table shows the button's response under preview mode.




BUTTON	NAME	DESCRIPTION
	<b>POWER/REC</b>	When shortly pressed, start/stop movie recording.
	<b>MUTE</b>	Enable/disable audio recording.
	<b>MENU</b>	Pop up menu, enter setting mode.
	<b>EMERGENCY</b>	Under recording mode, trigger emergency movie recording. After 20 seconds, the current file will be saved.

## CAPTURE MODE







Under the recording mode, press the “POWER/REC” button  to stop recording, click the  icon to enter capture mode.


To take a picture click on a blank area of the screen or press the “POWER/REC”  button once.

**\*You must press “POWER/REC” button  when you start to record.**

## LED DISPLAY STATUS

- When MIC is ON (mute disabled),  “MIC” button LED turns white
- When MIC is OFF (mute enabled),  “MIC” button LED turns orange
- In case of emergency event trigger,  “Emergency” button LED turns blue
- When the triggered video file storage is completed,  “Emergency” button LED turns white
- The LED flashes green during recording
- The LED will turn solid green while taking a picture
- The LED flashes red when there is no memory card inserted  
The LED flashes red when there is no free space on the memory card

## REVIEW FOLDER SELECTION

On the video page, click  icon to enter the playback folder selection or click on a blank area of screen, which appears as following:

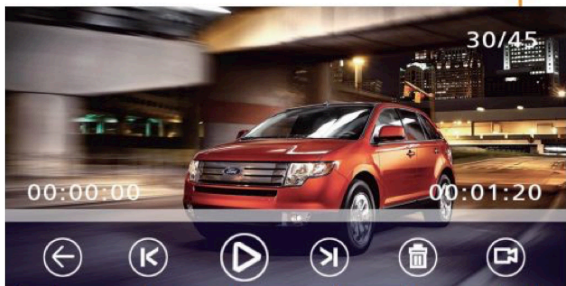


Back to recording mode

- Under browse mode, movie files are listed with separate folders in chronological order
- Folder “VIDEO” contains normal recorded movie files
- Folder “EVENT” contains emergency recorded movie files and protected movies
- Folder “JPEG” contains normal photo files

## MOVIE PLAY

The current browsed file index/total file count



Return

Previous video

Movie play/  
Pause

Delete menu



Enter recording



The current playtime

Next video

The duration of the  
played movie file

During movie play the following buttons have the below function.

BUTTON	NAME	DESCRIPTION
	<b>POWER/REC</b>	When shortly pressed, return to Recording/Capture mode.
	<b>MUTE</b>	No function.

BUTTON	NAME	DESCRIPTION
	<b>MENU</b>	When shortly pressed, return to Recording/Capture mode.
	<b>EMERGENCY</b>	No function.

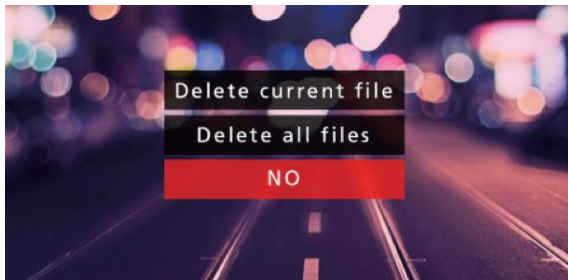
## CAPTURE REVIEW

The current browsed file index/total file count



## PLAYBACK MENU

On the playback page, click  to delete current file or delete all files. The screen appears as below:



## SETTINGS

Under movie recording mode,  click icon to enter menu setting page. The screen appears as below:



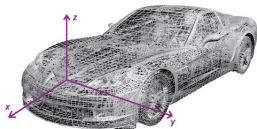
## MENU SETTING OPTIONS

CLASSIFY	MENU ITEM	DESCRIPTION
Format	Format	Format the SD card, all data will be erased.
Beep	Beep	Beep ON/OFF.
Setup	Date Time	Set current date and time.
	Language	Support English, Chinese Traditional (繁體中文), Chinese Simplified (简体中文), Japanese (日本語), Spanish (Español), Korean (한국어), and French (Français).
	Reset	Restore the factory Settings- Yes, No.
	About	Firmware information.
Record	Video Size	1920x1080/30FPS, 1280x720/30FPS.
	Cyclic Time	Cyclic recording duration: 1min, 2min, 5min, OFF.
	G-Sensor	Collision detection sensitivity: High, Mid, Low, OFF.
	Motion	Motion detection: ON, OFF.
LCD Standby	LCD Standby	LCD enters standby within: 10 seconds, 30 seconds, 1 minute, Never, OFF.
Protect	On	Files will be protected.
	Off	Files will be unprotected.

## G-SENSOR APPLICATION

This camera has a built-in G-sensor and uses an advanced collision detect algorithm, which can recognize any abnormal events such as a rear end collision, sudden braking, side collision, sudden


turns or turning over. The accelerations are defined below. The detected 3-axis acceleration values are recorded into movie clips simultaneously.




The collision detect feature can be configured in the recording settings page under the setting mode. There are four options:

- Collision detect is ON with high sensitivity.
- Collision detect is ON with mid sensitivity.
- Collision detect is ON with low sensitivity.
- Collision detect is OFF.


Impact sensitivity should be set according to pavement turbulence.

The default value is “Mid”. When collision is detected, the screen will display the  icon prompt. The current recorded file will last for 20 seconds and then it will be truncated and stored in folder “EVENT”.

Once collision detect is turned ON, under movie recording mode, if any abnormal event is detected, the  icon will be displayed in the upper left corner and blink once. After 20 seconds of recording, the current file will be saved and marked as protected.

## MOTION

This camera uses a smart motion detect algorithm, which can recognize moving objects. The motion detect feature can be set to ON or OFF in the recording settings page under settings mode.

 icon will be displayed in the upper left corner of the LCD screen. In this case, the camera will shift between preview and recording modes automatically. Under preview mode, if any moving objects are detected, the camera will start recording including 5 seconds previous to motion detection. Under recording mode, if there is no moving object detected within continuous 45 seconds, the camera will terminate movie recording and return to preview mode.

# TROUBLESHOOTING

PROBLEM	SOLUTION
SD card inserted, camera powered ON, LED display prompt "Please insert card!".	<ul style="list-style-type: none"><li>• Format card.</li><li>• Insert card again when camera is powered OFF.</li><li>• Use high quality and high speed SD card.</li></ul>
Camera does not record automatically when powered ON.	<ul style="list-style-type: none"><li>• Format card.</li><li>• Use high quality and high speed SD card.</li></ul>
The video is not clear.	<ul style="list-style-type: none"><li>• Ensure the lens is clean; this is crucial to the image quality.</li></ul>
Camera does not power ON.	<ul style="list-style-type: none"><li>• Check the power connection.</li><li>• Press the "POWER/REC" button to turn the camera ON.</li></ul>
The video pauses or frames skip during play back.	<ul style="list-style-type: none"><li>• Format card.</li><li>• Use high quality and high speed SD card.</li></ul>

## MAINTENANCE AND OTHER NOTES

1. The camera uses a 12-24V DC power supply. Be sure to use the proper power adapter.
2. Keep the lens clean; this is crucial to the image quality. Avoid touching the lens directly. If the surface of the lens is dirty, use a cloth to wipe the lens.
3. The camera uses an SD card as external media. Using cyclical recording for a long period of time may cause fragments in the media. This will downgrade the performance of the media access. It is suggested to format the SD card (the format operation under Settings mode is recommended) periodically,



such as every 2 to 4 weeks.

4. The camera has a built-in high voltage circuit and its PCBs (Printed Circuit Boards) are highly integrated. DO NOT detach it without the instructions from qualified professionals.

## THE FCC WANTS YOU TO KNOW

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 additional suggestions.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulation.

### Industry Canada-ICES-003

#### CAUTION

To comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules, this device must only be installed on computer equipment certified to comply with the Class B limits.

#### CAN ICES-3(B).

## THE SOURCE – WARRANTY



The Source warrants that this product will be free from defects in materials and workmanship for a period of (1) year from the date of purchase. Within this period, simply take the product and your proof of purchase to any The Source store or participating dealer and the product will be replaced (where available) without charge. Any product which has been subject to misuse or accidental damage is excluded from this warranty.

This warranty is only applicable to a product purchased through The Source company-owned stores or participating dealers in Canada where the warranty is included with the product. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, provinces and other governmental entities in which The Source operates. This warranty is subject to all statutory rights you may have in Canada.

Imported by:  
The Source,  
Barrie, Ontario, Canada, L4M 4W5

Manufactured in China

For product support please visit  
[www.thesource.ca](http://www.thesource.ca)

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