HD Vehicle Video Camera

8021214

User Manual

Please read this User Manual carefully to ensure proper use of this product and keep this manual for future reference.

TABLE OF CONTENTS

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 micro SD card using the included formatting program 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 cigarette lighter. DC 12 -24 V.
*   High-definition video quality. 1280x720, 30fps.
*   H.264/MPEG4 AVC video encoding. MP4 file type.
*   High sensitivity CMOS sensor with fantastic WDR algorithm.
*   Big field of view, diagonal 120 degree, aperture F2.0 high definition lens.
*   2.O" TFT LCD, 16,000,000 "true color display".
*   Supports up to 32GB micro SD/SDHC card (TF card).
*   Exclusive scene recognition algorithm advanced image signal processing and excellent image quality.
*   Seamless and cyclical recording with 1s. overlapping supported.
*   Smart motion detect algorithm with 5s pre-recording.
*   Event recording with built-in G-sensor.
*   One-Key operate mute with built-in MIC.
*   Built-in super capacitor to ensure the user's safety.
*   Composite video broadcasting signal output with line-out, NTSC /PAL configurable.

IDENTIFYING THE PARTS
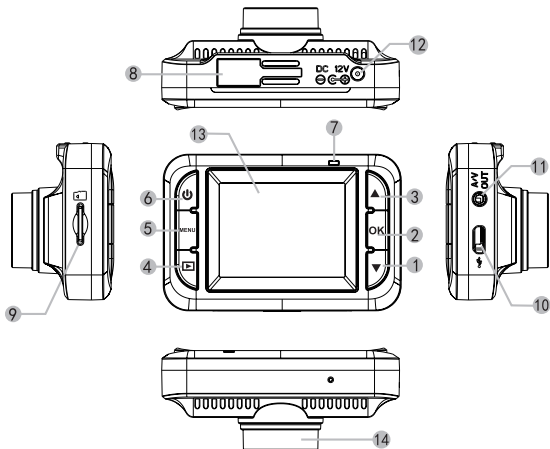
1. Down	6. Power ON/OFF	10. Micro USB port
2. OK	7. LED	11. A/V output
3. Up	8. Square slot	12. DC-in
4. Mode	9. Micro SD	13. LCD
5. Menu	card slot	14. Lens

INSTALLATION

Please follow the instructions below to install the camera:
1. Insert the holder's sheath into the square hole on the top of the camcorder, and push it along until the end. The camcorder will be firmly fastened to the holder.
2. Tighten the holder's suction cup.
3. Tweak and adjust the camcorder until it is aimed in the right

position. Fasten the nut so that the camcorder will be tightened firmly to the holder.

4. Insert a microSD card.
5. Take out the power cord. Plug one end into the vehicle's cigarette lighter socket, and then plug the other end into the camcorder'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 ON AND AUTO RECORD

• Supply DC 12/24V from the vehicle cigarette lighter socket. The camcorder will start up automatically when the power supply is ON. The camcorder enters recording preview mode after start-up and will automatically start recording
• When powered by the power station via micro USB port, it is necessary to press the ⏻ button to turn on the device
• When the camcorder is connected to a PC/laptop via the USB cable, it will work as a mass storage device. The PC/laptop is able to access all movie files that have been recorded

POWER OFF

• Once the camcorder is powered ON, no matter what state it is currently in, it will turn off when you hold the ⏻ button for 2 seconds
• When the external power supply is cut-off, the built-in super capacitor serves as a backup power source so that the camcorder can stop recording video and begin the normal power off sequence

FUNCTIONS INTRODUCTION

The camcorder has four operation modes:
- Preview
- Recording
- Setting
- Playback

PREVIEW

1. Under Preview mode, the LCD display is shown as below:

2. The icons and text shown on the screen are explained below:
- The upper left icon 🟢 represents *Preview mode*
- The second upper left Icon 🎤 shows *audio recording is enabled*. When audio recording is disabled, icon 🔇 will be displayed. The audio recording ON/OFF control can be changed using the UP button. It can also be set under *Setting mode*
- The upper right text shows the remaining duration in the form of "HH:MM:SS" based on the free space on the microSD card
- The bottom text shows the current date and time in the form of "YYYY/MM/DD   HH:MM:SS"
- The bottom right icon 🐕 shows the motion detection is enabled. When the motion detection is disabled, the icon is hidden

3. The following table shows each button's response under *Preview mode*.

BUTTON		DESCRIPTION
⏻	**POWER**	Power off the camcorder
MENU	**MENU**	Enter *Setting* mode
▶	**MODE**	Enter *Playback* mode
▲	**UP**	Audio recording ON/OFF control
OK	**ENTER**	Enter *Recording* mode
▼	**DOWN**	N/A

4. Indicators and notes:
- The chart shown above represents the normal features in *Preview* mode, as long as the microSD card is inserted and there is enough free space. In this case, the LED is shown as blue constantly.
- If there is no microSD card, warning text "Please insert card" will be shown on the LCD display. In this case, the LED will blink red.
- Under *Preview* mode, the microSD plug-in and plug-out operations are supported.

RECORDING

1. Under Recording mode, the LCD display is shown as below:

2. The icons and text shown on the screen are explained below:
- The upper left icon ⬤ represents *Recording* mode. It blinks at 1 second intervals
- The second upper left icon 🎤 shows audio recording is enabled. When audio recording is disabled, icon 🎤 will be displayed. The audio recording ON/OFF control can be changed using the ▲ button. It can also be set under the *Setting* mode
- The upper right text shows the recording duration in the form of "HH:MM:SS"
- The bottom left text shows the current date and time in the form of "YYYY/MM/DD   HH:MM:SS"
- The bottom right icon 🐕 shows the motion detection is enabled. When the motion detection is disabled, the icon is hidden

3. The following table shows each button's response under *Recording* mode.

BUTTON		DESCRIPTION
⏻	**POWER**	Power off the camcorder
MENU	**MENU**	End recording and enter *Setting* mode
▶	**MODE**	End recording and enter *Playback* mode
▲	**UP**	Audio recording ON/OFF control
OK	**ENTER**	End recording and enter *Preview* mode
▼	**DOWN**	Emergency recording

4. Indicators and notes:
- The chart shown above represents the normal features in *Recording* mode. In this mode, the blue LED is shown as blinking
- Under *Recording* mode, the microSD card plug-in and plug-out operations are NOT supported
- All recorded movie files will be stored in the following two folders, "VIDEO" and "EVENT". In most cases, the recorded movie file will be stored in the "VIDEO" folder. However, when collision detection is active or users manually press the ▼ button, the current recorded file will last for 20 extra seconds, and is then truncated and stored in the "EVENT" folder

SETTING

1. Under *Setting* mode, the LCD display is shown as below:

Setting	
Format	Card
DateTime	2012/09/10
Cyclic Time	2 minute
G-Sensor	Middle
Motion Detection	Off
Mic	On
Language	English
Video Out	NTSC
LCD Standby	Never
Reset	
About	1.00.04

2. Under Setting mode, the items are shown as below:

ITEM	DESCRIPTION
FORMAT	Format microSD card (Yes/No options). All data will be erased
DATE TIME	Set the current date and time
CYCLIC TIME	Turn OFF cyclical recording, or set the movie duration for cyclical recording (1, 2, 5, or 10 minutes)
G-SENSOR	Turn OFF collision detection, or set the collision detection sensitivity (High, Middle, Low or Off)
MOTION DETECTION	Motion detection ON/OFF control
MIC	Audio recording ON/OFF control. It can be set by shortcut key as well
LANGUAGE	Supports English, Traditional Chinese, Simplified Chinese, Russian, Korean, Japanese, French
VIDEO OUT	Set the video output format (NTSC or PAL)
LCD STANDBY	Turn OFF LCD standby, or set LCD standby time (10, 30, 60 seconds, or never)
RESET	Choose to restore the default setting (Yes/No options)
ABOUT	Check information about the software

3. The following table shows each button's response under Setting mode.

BUTTON		DESCRIPTION
⏻	**POWER**	Power off the camcorder
MENU	**MENU**	Exit setting mode and return to previous mode
▶	**MODE**	N/A
▲	**UP**	Move the item up
OK	**ENTER**	Confirm the current option for the active item
▼	**DOWN**	Move the item down

4. Notes.
- The default value is "middle". When collision Is detected, the screen will display the icon ⚠ prompt. The current recorded file will last for 20 seconds, and is then truncated and stored in the "EVENT" folder.
- When motion detection is enabled from menu operations, icon 🐾 will display on the bottom right corner of the screen. In this case the camcorder will shift between preview and recording modes automatically
- Under *Preview* mode, if any moving objects are detected, the camcorder will start recording the past 5 seconds of video
- Under *Recording* mode, if there is no moving object detected within a 45-second period, the camcorder will stop recording and return to *Preview* mode

PLAYBACK

BROWSE

1. Under the *Browse* sub mode, the LCD display is shown below:
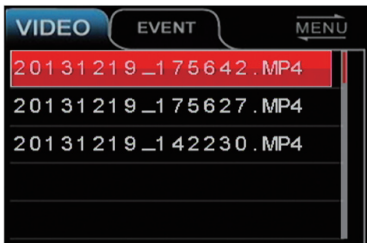
2. The icons and texts shown on the screen are explained below:
- Under the *Browse* sub mode, movie files are listed with separate folders in chronological order
- The "VIDEO" folder contains normal recorded movie files, while the "EVENT" folder contains emergency recorded movie files either triggered by auto collision detection or manually pressing the ▼ button
- You are able to press the MENU button to shift between folders and use the ▲ or ▼ buttons to select the movie file to play The active folder will be highlighted in blue and the selected movie file will be highlighted in red
3. The following table shows each button's response under the *Browse* sub mod

BUTTON		DESCRIPTION
⏻	POWER	Exit *Browse* sub mode & return to previous mode
MENU	MENU	Browse VIDEO or EVENT folders
▶	MODE	Exit *Browse* sub mode & return to previous mode
▲	UP	Browse previous movie file
OK	ENTER	Enter *Movie Play* sub mode
▼	DOWN	Browse next movie file

MOVIE PLAY

1. Under the *Movie Play* sub mode, the LCD display is shown as below:

2. The icons and texts shown on the screen are explained below:
- The upper right text "1/55" represents the current played file index and total file count
- The lower left text "00 : 00" represents the current playtime of the movie file
- The lower right text "02: 01" represents the duration of the played movie file
- The bottom centre icon ■ shows the movie has stopped playing. When the movie is playing, icon ▶ will be displayed When the movie is paused, icon ‖ will be displayed
- The playback control icon ≫ ⏩ ⏩ represents fast forward with x1/x2/x3 speed
- The playback control icon ⏪ ⏪ ⏪ represents rewind with x1/x2/x3 speed

3. Under *Movie Play* sub mode, you are able to control the play operation with the buttons. The following table shows each button's response under *Movie Play* sub mode.

BUTTON		DESCRIPTION
⏻	**POWER**	Exit *Movie Play* sub mode & return to previous mode
MENU	**MENU**	Stop movie/When playback is not in progress, enter or exit playback menu
▶️	**MODE**	Exit *Movie Play* sub mode & return to *Browse* sub mode.
▲	**UP**	Rewind/When playback is not in progress, select previous movie file
OK	**ENTER**	Start/Pause/Resume playing movie
▼	**DOWN**	Fast Forward / When playback is not in progress, select next movie file

PLAYBACK MENU

1. Under *Movie Play* sub mode, when movie play is not in progress, pressing the MENU button will change the camcorder to *Playback Menu* sub mode
2. Under *Playback Menu* sub mode, the LCD display is shown as below:
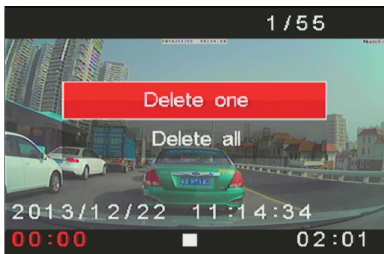
3. The following table shows the menu operations:

ITEM	DESCRIPTION
DELETE ONE	Delete the current movie file
DELETE ALL	Delete all movie files in the current active folder.

MAINTENANCE AND OTHER NOTES

1. The camcorder uses 12-24 V DC power supply. Be sure to use the correct power adapter.
2. Keep the lens clean, this is crucial to the image quality. Avoid touching the lens directly. When the surface of the lens is dirty, use a cloth to wipe the lens.
3. The camcorder uses a microSD card as external media. Using the cyclical recording function 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 microSD card every 2 to 4 weeks (the recommended format operation is under the *Setting* mode).
4. The camcorder does NOT have any anti-collision mechanism. Handle with care at all times to avoid damage.
5. The camcorder has built-in high voltage circuits and its PCBs (printed circuit boards) are highly integrated. DO NOT detach without 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

© 2015 The Source
All rights reserved.

Please Recycle