Thank you for purchasing the Sharper Image Dual Recording Windshield Camera. This device has many advanced features. Please take a few moments to read this User Manual and store it for future reference.

FEATURES

- Records high-quality 720P HD video
- Shoots still photos
- Dual rotating cameras record front and rear views
  - Left camera resolution 1280*720
  - Right camera resolution 1280*720
  - Dual recording resolution 1920*720
- Parking monitor mode
- Crash sensor automatically saves and locks video taken just before and after a crash
- Override recording (old footage is erased to make room for new footage)
- Easily transfer files to PC or Mac via USB
- Includes suction cup windshield mount

IDENTIFICATION OF PARTS

1. Left camera
2. Infrared lights
3. Right camera
4. Up button
5. Menu button
6. OK button
7. Down button
8. Mode button
9. USB port
10. TV out port (Note: TV cable not included.)
11. Power button
12. Speaker
13. Speaker
14. Reset button
15. Memory card slot
16. Microphone
A Micro SD memory card (a.k.a. “Trans Flash” or “TF” card) is required to use this device. We recommend a high-speed card, Class 6 to Class 10. Place the card into the slot and gently push it until it clicks into place. To remove the card, push down until it clicks and pops out. NOTE: Do not operate this device without a memory card in place.

INSERTING THE MEMORY CARD (NOTE: CARD NOT INCLUDED)

MEMORY CARD CAPACITY

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>8GB</td>
<td>approx. 30 min.</td>
</tr>
<tr>
<td>16GB</td>
<td>approx. 2 hrs.</td>
</tr>
<tr>
<td>32GB</td>
<td>approx. 4 hrs.</td>
</tr>
</tbody>
</table>

OPERATING YOUR DUAL RECORDING WINDSHIELD CAMERA

1. Mount the device on your windshield with the included suction cup mount.
2. Plug the device into your car’s 12V DC power outlet (a.k.a. the cigarette lighter). NOTE: Although this device has a rechargeable battery, it is not designed to run on battery power for long periods of time.
3. Turn on the power and adjust the lenses BEFORE you start to drive.
4. Press the OK button to begin recording. A red dot will flash on the LCD screen, to indicate that video is being recorded.
5. Press the OK button to stop recording and save your file.

IMPORTANT: For your safety, and the safety of others, please make all adjustments BEFORE you start driving.

EXPLANATION OF BUTTONS

A. Power button
Short press: Puts the device in video recording standby mode. The cameras are on, but the device is NOT recording. While in video recording standby mode, short press Power button again to turn the infrared lights on or off. [NOTE: Infrared lights are for night driving. The human eye cannot see infrared light. You will know the infrared lights are on by the icon on the LCD screen]. Long press: Turns the device off.

B. OK button
The OK button has multiple functions.

Function 1: In video recording standby mode, short press the OK button to begin recording. When video is being recorded, a red dot will flash on the LCD screen. Short press the OK button again to stop video recording.
Function 2: In photo mode, short press the OK button to take a still photo.
Function 3: In playback mode, short press the OK button to play/pause video files.
Function 4: In various menu screens, press the OK button to confirm your selection[s].

C. Mode button
Short press the Mode button to cycle through the three different modes: video recording mode, photo mode and playback mode.
EXPLANATION OF BUTTONS [CONT.]

D. Up button [left arrow]
The Up button has multiple functions.

• In menu screens, use the Up button to move to a different selection.
• In video recording mode or photo mode, use the Up button to zoom in on your subject.

E. Down button [right arrow]
The Down button has multiple functions.

• In menu screens, use the Down button to move to a different selection.
• In video recording mode or photo mode, use the Down button to zoom out from your subject.

F. Menu button
The Menu button has multiple functions.

• In video recording standby mode, short press the Menu button to enter the video recording menus. Short press once more to enter the setup menus. Short press again to exit the menus and go back to video recording standby mode. TIP: In video recording standby mode, press and hold the Menu button to change the camera views (left camera, right camera or dual cameras).

In photo mode, short press the Menu button to switch between the left camera and the right camera. [You cannot shoot a still photo with dual camera option.]

In playback mode, short press the Menu button to enter the playback menus. Short press once more to enter the setup menus. Short press again to exit the menus and go back to playback mode.

VIDEO RECORDING MENU

Use the Up/Down buttons to scroll through the menus. Press the OK button to confirm your selections. Press the Menu button to EXIT the menus and go back to video recording standby mode.

MP [Channel] - Selects left camera, right camera or dual cameras.

EV [Exposure Value] - Adjusts the brightness setting from -3 to +3.

AWB White Balance - Adjusts the white balance to obtain the truest colors based on the light source: Auto / Daylight / Cloudy / Fluorescent / Incandescent. NOTE: In most cases, the “Auto” white balance setting is sufficient.

Loop Recording - Selects how long you want each recording to last, before it is saved and starts a new recording: off / 3 min. / 5 min. / 10 min.

Motion detection - When the motion detection is activated, the camera will record 10 seconds when it detects any change in the video image it is receiving. It will stop recording when there is no change in the video image.

Record audio - Turns the built-in microphone on or off.
VIDEO RECORDING MENU (CONT.)

G sensor - The G sensor automatically saves any footage immediately before and after a crash. Use this menu to select the sensitivity of the sensor: off / high / medium / low.

STILL PHOTO MENU

While you are in photo mode, long press the Mode button AND the OK button SIMULTANEOUSLY for 2 seconds, then release both buttons, to enter the still photo menus. Use the Up/Down buttons to scroll through the menus. Press the OK button to confirm your selections. Press the Menu button to EXIT the menus and go back to photo mode.

Capture mode – Single shot / 2 sec. timer / 5 sec. timer / 10 sec. timer.

Resolution – 12 M, 10 M, 8 M, 7 M, 5 M, 3 M, 2 M, VGA.

EV (Exposure Value) - Adjusts the brightness setting from -3 to +3.

Continuous shot – Takes a burst of photos when you hold down the OK button [on / off].

VIDEO PLAYBACK MENU

In playback mode, short press the Menu button to enter the playback menus. Use the Up/Down buttons to scroll through the menus. Press the OK button to confirm your selections. Press the Menu button to EXIT the menus and go back to playback mode.

Delete – Delete current video or delete all images.

Protect – Lock current file / unlock current file / lock all / unlock all.

PHOTO PLAYBACK MENU

While you are in photo mode, short press the Mode button to enter photo playback mode. Once you are in photo playback mode, you can access the photo playback menu:

Delete – Delete current image or delete all images.

Rotate – Rotate image 90° / 180° / 270° / cancel.

Protect – Lock current file / unlock current file / lock all / unlock all.

Slide show – Create a slide show of photos. Each photo will last 3 sec. / 5 sec. / 10 sec. before moving on to the next photo.

SETUP MENU

Use the Up/Down buttons to scroll through the menus. Press the OK button to confirm your selections. Press the Menu button to EXIT the menus and go back to standby mode.

Date – Turn the time stamp on or off, and set the current date.

Auto power off – To protect the device, this device shuts down when not in use [off / 1 min. / 3 min. / 5 min.]
SETUP MENU [CONT.]

**Beep sound** – Turns the beep on or off when you press the buttons.

**Parking monitor** – The parking monitor automatically starts video recording for 20 seconds when it senses a change in the surroundings. Use this menu to turn the parking monitor on or off and adjust the sensitivity (off / low / medium / high). The device will display “P” on the right of the screen when this feature is activated.

**Language** – Adjust the language [default language is English]

**LCD protection** – Screen saver [open / 30 sec. / 1 min. / 5 min.]

**Frequency** – Light source frequency [50 Hz or 60 Hz]

**TV mode** – Specify your TV system for video playback on a TV [NTSC=North America, PAL=Europe/Asia]. Note: TV cable not included.

**Image rotation** – This option flips the video image upside-down (180°) so you can mount the device with the suction cup mount on the top or the bottom for unobstructed view [On / Off].

**Format** – Delete all files on the card [NOTE: This cannot be reversed].

**Default settings** – Return device to original factory settings.

**Version** – Shows the current software version.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Lenses</th>
<th>Dual ultra-wide angle glass lenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>120°</td>
</tr>
<tr>
<td>Languages</td>
<td>13</td>
</tr>
<tr>
<td>Video format</td>
<td>AVI</td>
</tr>
<tr>
<td>Photo format</td>
<td>JPEG</td>
</tr>
<tr>
<td>Memory card slot</td>
<td>Micro SD, Class 6 to Class 10 required. Supports up to 32GB.</td>
</tr>
<tr>
<td>Microphone</td>
<td>Built-in</td>
</tr>
<tr>
<td>Power</td>
<td>DC input 5V 1A</td>
</tr>
<tr>
<td>Battery</td>
<td>Lithium polymer</td>
</tr>
<tr>
<td>System requirements</td>
<td>Windows XP / Vista / Windows + / Mac iOS X 10.3.6</td>
</tr>
<tr>
<td>Screen</td>
<td>2.7” LCD</td>
</tr>
<tr>
<td>Lens</td>
<td>full glass + high resolution</td>
</tr>
<tr>
<td>AV output</td>
<td>HDMI HD video</td>
</tr>
<tr>
<td>Transmission speed</td>
<td>USB 2.0</td>
</tr>
</tbody>
</table>
TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Suggestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>I cannot record any videos or take any photos.</td>
<td>Make sure the memory card is inserted, and that it has available capacity, and that it is not locked.</td>
</tr>
<tr>
<td>The recorder stops unexpectedly.</td>
<td>Make sure the memory card is high speed, Class 6 or higher. It should be marked C4 or C6.</td>
</tr>
<tr>
<td>I get the “Files Error” message.</td>
<td>There is a storage error. Use the format function to re-format your memory card.</td>
</tr>
<tr>
<td>Videos/photos are blurry.</td>
<td>Clean the lens with lens paper. Make sure there is no protective plastic film covering the lenses or LCD screen from the factory.</td>
</tr>
<tr>
<td>Images of sky or water appear black.</td>
<td>Scenes with a lot of contrast may trick the automatic exposure function of this camera. Adjust the exposure value (“EV”) in the settings menu to correct.</td>
</tr>
<tr>
<td>The color is off on cloudy days.</td>
<td>Change the white balance setting according to the light source.</td>
</tr>
<tr>
<td>There is a cross stripe interference in the image.</td>
<td>The wrong “light frequency” is selected. Change it to 50Hz or 60Hz in the Frequency settings menu.</td>
</tr>
<tr>
<td>Device has crashed.</td>
<td>In the unlikely event of a system crash, press the reset button on the bottom of the device with a paper clip in order to perform a system reboot.</td>
</tr>
</tbody>
</table>

WARRANTY / CUSTOMER SERVICE

Sharper Image branded items purchased from SharperImage.com include a 1-year limited replacement warranty. For Customer Service, please call 1 [877] 210-3449.