Polaroid



FHD Driving Recorder

SZ514W

User Manual

Questions?
Need some help?
This manual will help you enjoy your new product

If you still have questions, call our helo line:
400-8401-030

or visit us at:
www.polaroidcarcam.com

CONTENTS

About this Guide..... 5

FCC Statement..... 5

Prohibition of co-location..... 5

CE Regulatory Notice..... 6

Battery warning..... 6

Caution..... 6-7

1 Introduction..... 8

1.1 System requirements..... 8-9

1.2 Package Contents..... 9

1.3 Product Overview..... 10

2 Getting Started..... 11

2.1 Powering the Device On / Off..... 11

2.2 Install APP using the program..... 11-12

2.3 Installation sketch..... 12-13

3 Initial Settings..... 14

3.1 Mode selection..... 14

3.2 Photo mode..... 14

3.2.1 Photograph..... 14

3.2.2 Optical zoom..... 15

3.2.3 Digital zoom..... 15

3.2.4 Image size..... 15

3.2.5 Selfie..... 16

3.2.6 Continuous shooting..... 16

3.2.7 Time stamp..... 16

3. 3 Video mode..... 16-17
3. 4 Settings..... 17
3. 5 The power supply frequency..... 18
3. 6 Formatting..... 18
3.7 Viewing pictures and download..... 19
4 Download the photos or video to computer..... **19**
5 Specifications..... **20**

About this Guide

The content in this document is for information purpose and is subject to change without prior notice. We made every effort to ensure that this User Guide is accurate and complete.
However, no liability is assumed for any errors and omissions that may have occurred.
The manufacturer reserves the right to change the technical specifications without prior notice.

FCC Statement

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 help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Prohibition of co-location

This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

CE Regulatory Notice

Herewith confirm to comply with the requirements set out in the Council Directives on the Approximation of the Laws of the Member States relating Electromagnetic Compatibility of Radio and Telecom device (1995/5/EC); the Low Voltage Directive (2006/95/EC); the Restriction of The Use of Certain Hazardous Substances in Electrical And Electronic Equipment Directive (2002/95/EC), Turkish EEE Directive.

EU Health Protection: This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product will meet the Basic Restriction limits of 1999/519/EC.

Battery warning

- Always charge using the provided system. Improper handling of the battery may result in explosion.
- Never dismantle or pierce the battery or allow the battery to short-circuit.
- Keep the battery out of reach of children.
- Batteries may explode if exposed to naked fire. Never dispose of batteries in a fire.
- **Disposed of used batteries observing local regulations. Never replace the battery on your own; have the dealer do it for you.**

Caution

- Never disassemble the device or remove any parts by yourself. This will invalidate all guarantee claims.
- Keep the device away from the reach of children or animals to prevent them from swallowing.
- If you notice smoke or a strange smell coming from the device, turn the power off immediately. Take the device to the nearest authorized service center for repair. Never attempt to repair the device on your own.
- Use only the recommended power accessories. Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.

- Wi-Fi Signals are unable to pass through the building. The upper limit of signal transmission is 10m.
- The product employs wireless data communication which may interfere, or be interfered by, a near-by device.
- Never use this device in the vicinity of a microwave oven or at places where there is radio interference.
- Radio wave reception may be worsened in specific environments.
- Please be advised that if another device is also using the same 2.4GHz band as this product, the processing speed of both devices may slow down.
- This product gets warm when in use; this is normal.
- Improper use or operation of the product may result in damage of the product or its accessories and void the warranty.
- This product is unsuitable for filming any barcode.
- The camera has become too hot and needs to cool down after using over than 1 hour (continuous recording). Simply shut down for cooling before attempting to use it again. It won't damage the camera, it is only for reminding the user that the temperature of the equipment cannot be too high.

Before you start using the system, it is assumed that you agree to the above statement. The warranty does not cover any damage that may occur during a sport activity. It is the users' responsibility to secure the camera securely to any sport equipment.

Introduction

Thank you for purchasing this Wi-Fi optical zoom Drving Recorder。Please carefully read the instruction manual before using, in order to better use the product.

The product supports more than Android4.0 intelligent devices and iOS 6.0 or more iPhone / iPad

1.1 System requirements

1.1.1 Connection to a Computer

For connection to a PC, be sure your PC meets the following specifications:

For Windows:

- Windows XP SP2 / Vista / Win 7 / Win 8
- Processor with at least Pentium IV 3.2GHz / AMD Athlon FX 2.6GHz or higher
- 2GB RAM at least
- NVIDIA GeForce 7600GT / ATI X1600 series or later
- USB port
- 16-bit color display compatible monitor (1280x1024, 32-bit color display recommended)
- 250 MB of available hard disk space
- CD-ROM drive

For Macintosh:

- Mac OS 10.4 or higher
- Power Mac G3 or higher
- Minimum 256MB RAM
- 110MB of available hard disk space
- USB port
- CD-ROM drive

1.1.2 Linking a mobile device

Linking a mobile device, be sure your mobile device meets the following specifications:

For iOS operating system:

- Version: 6 / 7
- Product Name: iPhone4S / iPhone5 / iPhone5S / iPad / iPad2 / New iPad (Retina display) / iPad Air

For Android operating system:

- Version: 4
- Brand Name: HTC / SONY / SAMSUNG / LG
- Screen Resolution: MDPI / HDPI

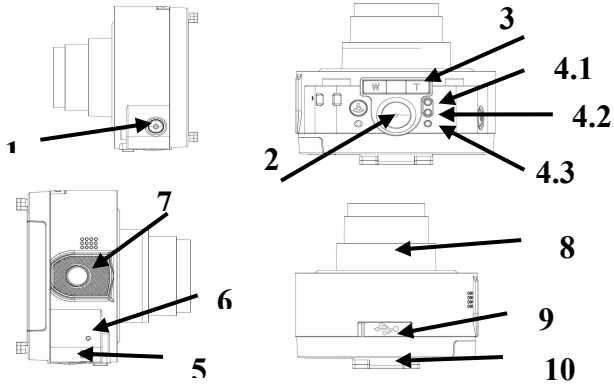
1.2 Package contents

The package contains the following items. In case there are any missing or damaged items, contact your dealer immediately.

Standard:

● Polaroid Driving Recorder SZ514W
●Car power adaptor--1
●Camera Adaptor--1
●Smart device connector--1
●0.45x Wide Angle Lens& Wide Angle Barrel--1
●3M Mount--1 ●3M Mount Adaptor--1
●Micro USB Cable --1
●LI-ion Rechargeable Battery 900mAh --1
●Quick Start Guide--1
●Warranty Card--1

1.3 Product overview



S/N	Name	S/N	Name
1	Turn on/off button	4-3	Status indicator light
2	Shutter button (Used in photo mode)		Continuous bright after startup
3	W/T zoom button		Flickering while recording a scene video
4	Indicator light	5	Lanyard hole
4-1	Green light: Sufficient power	6	Microphone
	Orange light: General level of power	7	Tripod receptacle/Bracket mounting hole
	Red light: Low power	8	Camera lens
	Blinking red light: low battery power	9	USB interface
4-2	Charging indicator light	10	Intelligent equipment joint (the batteries and card can be equipped after removing it)

2. Getting started

2.1 Startup/Shutdown

Startup

1. Manual startup: Long press the power key to turn on the machine, the LED lamp will be lit on, and the lens will automatically extend outwards, which means that the machine can be used;
2. Automatic startup: Connect the car charger to the car cigarette lighter and the machine, and when the car is started up, the machine will be automatically turned on and automatically start to record the video cyclically.

Shutdown

1. Manual shutdown: Press the power key to shut down the machine. When the machine battery is low, the battery indicator lamp will turn red and blink, and several seconds later, the machine will be automatically shut down.
2. Automatic shutdown: After the car stalls, the machine will continue to work for 10sec and then be automatically shut down.

2.2 Install APP applications

Please install Polaroid SZ514W application on the intelligent device before using this camera (as the following icon), if the installation has been done, please update to the latest version.



Android version

Search Polaroid SZ514W in the Google Play, and install it



iOS search Polaroid SZ514W in APP Store and install it

Available on the iPhone
App Store

Open WIFI to connect with intelligent device

Connect this camera with intelligent device through Wi-Fi
1. Turn on the power of the camera and open the WIFI button
2. Select “Set” in the intelligent device [Android/iOS], and then select “Wi-Fi”
3. Select the SSID of the camera to be connected: SZ514W**********
4. Enter the password “1234567890” (For the first time only);
5. Return to the main page, and then start “Polaroid SZ514W”

The interface and function of the application may vary depending on different versions of applications, please visit the update of Google Play and APP Store for details.

2.3 Install this camera to intelligent device

2.3.1.Fix the camera and the attached lens on the parts bracket, as shown in the figure below:



2.3.2 Installing in Vehicles,

Mount to Windshield

The bracket screw lock into the device above the nut hole, until cannot rotatescrews have been locking.

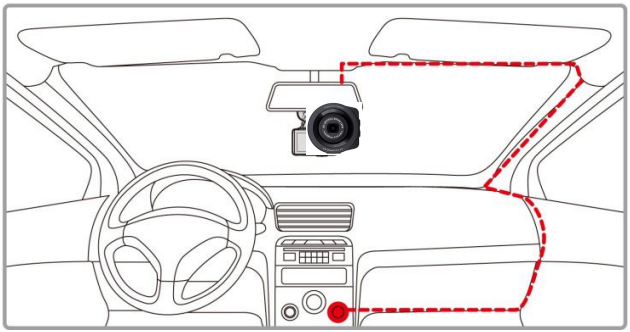


With the suction-cup laying flat, position the suction-cup on the windshield.

Hold the base firmly on the windshield and press down the clamp to mount the car holder to the windshield. Make sure the base is securely locked in place.



Plug the other end of the car adapter to the cigarette lighter socket of your vehicle. Once the vehicle engine is started, the device automatically turns on.



Note:

This product shall be installed near the back-mirror, at the center of windshield, if possible, for optimal viewing.

3． Initial Settings

3.1 Mode selection：

- This product has three optional mode: photo mode, video mode and playback mode
- The camera mode can capture a still image, adjust the settings of the camera；
- Video mode can record video；
- Playback modes can browse photos and video, you can also delete,Download photos.

Select the mode according to the following steps

1、After power-on default settings for the camera mode.

2、In the "Polaroid SZ514W" You can choose to enter the video mode or playback mode.

3.2 Photo mode

This is the default mode after boot, in camera mode, in addition to the self-timer and continuous shooting functions and system settings, this product independently perform all the action pictures.

Shooting photos

1. make sure the memory card has put the camera；

2.Intelligent devices connected cameras and install "Polaroid SZ514W" by Wi-Fi;；

3.Open the "Polaroid SZ514W" on the smart device application;

4.Press the shutter button shutter switch or touch intelligent devices to take photos;

5.The photos will be in the format of the JPEG stored in thememory card;；

Note:

5.In order to obtain a more stable photo effects, recommend the use of screenshortcut keys to take pictures

When a memory card is full, APP will prompt the memory card full.

Optical zoom

1.According to the T product key on the object to be shot 5 times optical zoom press "W" key to narrow;

2.By APP "Polaroid SZ514W" zoom tool interface can also be impleme ntedoptical zoom.

Note: when using this function of the product will automatically adjust the lens, when the lens adjustment
Please do not touch the lens.

Digital zoom

1. When the optical zoom is completed, can be 4 times digital zoom on the shooting object, press the T key to magnify objects, press the W key tonarrowing;
2. Can realize the digital zoom zoom tool through APP interface.

Image size

Image size choice will determine the number of your photos stored on SD card and photographs the picture quality. Pictures of high quality will take upmore memory, and the size and the quality of image will also influence themaximum size of effective print photos you can.

Set the image size:

The camera is connected with the intelligent mobile phone via Wi-Fi, and then touch the upper left corner of the screen resolution settings icon will appear drop resolution options;

5152x3864(20MP)
4896x3672(18MP)
4288x3216(14MP)
4000x3000(12MP)
3648x2736(10MP)
3264x2448(8MP)
2592x1944(5MP)
2048x1536(3MP)
1920x1080(2MP)

Click to select the size of the complete set, and the screen will display the corresponding resolution, and displays the remaining memory card may take a number.

Selfie

You can use this function to delay between the shutter button and take pictures of the time interval is obtained, including yourself photos. Use theself timer function is recommended this product will be placed in the threetripod or stable place to shoot better photos.

1. The camera is connected with the intelligent mobile phone through Wi-Fi,and then touch the upper left corner of the screen of the self set icon, will appear the drop-down self time options;Close /2s/10s
2. Click to want to choose self time is set up, and the screen will have the corresponding icon display;

Continuous shooting

After enabling this feature can press the shutter button onceto shoot more photos.

1.The camera is connected with the intelligent mobile phone via Wi-Fi, and then touch the upper left corner of the screen of the self set icon, enter the setup menu;

1. Touch "burst" option, there will be drop down self time Zhang number set options; Close the /3 /5 /10
2. A number of shooting click want to choose that finish setting up, return to set the page back to the main page after operation, there will be corresponding icon display;

Time stamp

This feature set, the picture of the lower right corner there will be time stamped, shooting time record photos.

1. The connection and intelligent mobile phone through Wi-Fi, and then touchthe upper left corner of the screen of the self set icon, enter the setup menu;

2.Touch "time stamp" option, there will be a drop-down display format setting option;
Close / date / date and time

3.Display click way to want to choose is complete set

3 . 3 Video mode

Video

Press the mode button to enter the recording mode selection.

1. Confirm the memory card has been put into the camera;
2. Connect the camera through Wi-Fi and install the intelligent

devices of “Polaroid SZ514W”;;
3.Open the “Polaroid SZ514W” application on the intelligent device;
4. Press the video mode button to switch to video mode;
5. Press the video button on the phone screen to start recording, press it again to stop;

Note:

1. If the car starts automatically boot this product, you need to press the camera button to stop recording, press the Wi-Fi switch to turn on Wi-Fi (video wifi button press for a key lock function).
2. You can watch a video file in playback mode, or download them to your computer using Quick Time or Windows Media Player to play;
3. this camera has the audio recording function, at the same time of recording a video; the audio will also be recorded. You can playback the audio you’ ve recorded on the computer.
4. Under the video mode, only through the "Polaroid SZ514W" control the video, camera key product itself is invalid;
5. As a tachograph use sound vibrations generated due to the car shaking the camera, resulting in Noise generated during recording.

Image Size

Image size you choose will determine the number and the quality of stored photos photo shoot on the SD card. High-quality images will take up more memory,

Set the image size:

1.Connected via Wi-Fi cameras and smart phones, and then touch the screen resolution settings icon in the top left corner, there will be drop-down resolution options;

FHD 1080P HD 720P

2. Click to select the size you want to complete the set, and the screen will display the corresponding resolution and displays the remaining recording time of the memory card.

3.4 Settings

Setting options in the content, in the camera mode and a video mode are applicable.

White balance

1.With this function, you can adjust the color of the light source based on the color of the photo's.
2.Connect the camera and smart phones via Wi-Fi, and then set the icon on the touch screen to enter the setup menu;
3.Options Touch "White Balance" option will appear in the drop-down white balance mode
Auto / sun / cloudy / fluorescent / incandescent
4.Click the option you want to set;
5.Return to the main control interface, the screen will display the
6.corresponding icon and the screen will be accompanied by a color adjustment.

3.5 Power frequency

Select different frequencies depending on local conditions. In general, the frequency of the United States of 60HZ, China, Europe and Japan for 50HZ, camera default setting is 50HZ.

1. With this function, you can adjust the color of the light source based on the color of the photo's.
2.Options Touch "power frequency" option will appear in the drop-down power frequency
50Hz/60Hz
3.Click on the desired power frequency selection to complete the setup.

3.6 Format

You can use this option to delete all the files in memory or SD memory card, including protected files.

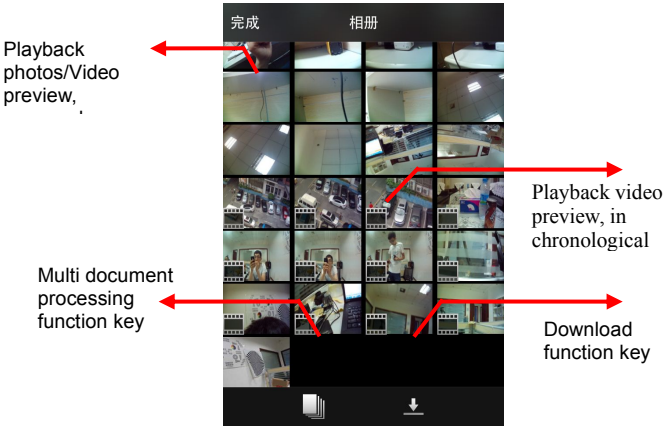
Note: Please use this feature with caution, once formatted, all images stored in the memory card will be deleted. Please format the memory card before all the images will be downloaded to your computer.

1.With this function, you can adjust the color of the light source based on the color of the photo's.
2.Touch "Format" option, and follow the prompts;
3.After formatting is complete, return to the main page of the camera's control;

3.7 Playback the photos and download to intelligent device

In playback mode, you can preview pictures, download, delete photos and video files.

1.Touch the playback key and enter the playback preview interface



2. Click the photo to enter photo playback;
3. Click the download and you will be prompted to download all the documents;
4. Click the multi documents processing key to enter the document selection, and the bulk delete or download also can be carried out;
5. Click “Finish” to return to the camera interface

Note: you can’t play the videos on the APP, but can download them

4 .Download photo or video to your computer

Turn the camera on and change the mode of the camera and then connect the camera to the computer to "Playback" with the USB cable. Displayed (available disk F :) as follows:

1. Click on "My Computer" icon on your desktop.
2. The memory card will appear as an available storage devices.
3. Click on a storage device available to browse the stored photos, photo storage path is X: \ DCIM \ JPG in the video file storage path for X: \ DCIM \ VIDEO.
4. You can directly copy and paste the selected photos and videos.

Technical specifications

Photosensitive element	1/2.3'' CMOS Sensor
Image resolution ratio	5152x3864(20MP)
	4896x3672(18MP)
	4288x3216(14MP)
	4000x3000(12MP)
	3648x2736(10MP)
	3264x2448(8MP)
	2592x1944(5MP)
	2048x1536(3MP)
	1920x1080(2MP)
Video resolution ratio	FHD/1080P,30fps
	HD/720P,60fps
Zoom times	5X optical zoom, 4X digital zoom, 20X
Picture format	JPG
Video format	H.264 / MOV
USB	USB 2.0 interface
Storage method	Micro SD / SDH, maximum capacity supports 32G
Power source	900mAH rechargeable lithium battery, car charger
Compatible intelligent device	This product supports the intelligent devices above Android4.0 and iPhone/iPad above iOS 6.0
Working temperature	0~40°/ ＜90%

Polaroid



Questions?
Need some help?
This manual will help you enjoy your new product



If you still have questions, call our help line:
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or visit us at:
www.polaroidcarcam.com