

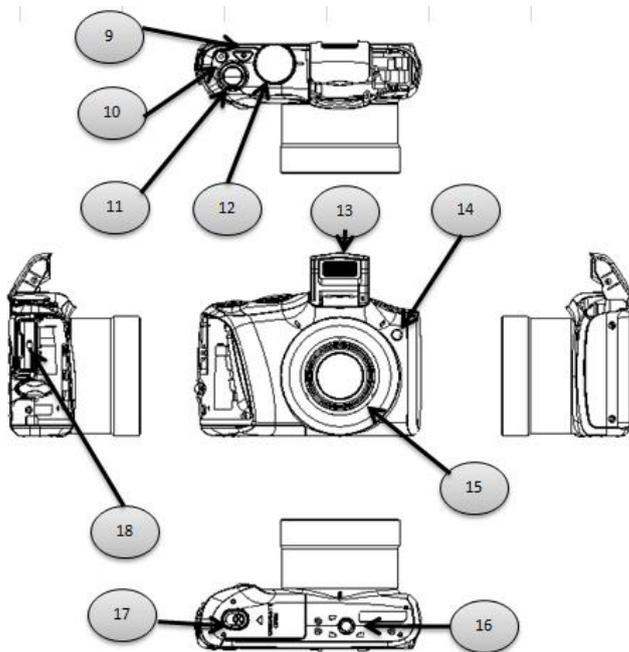
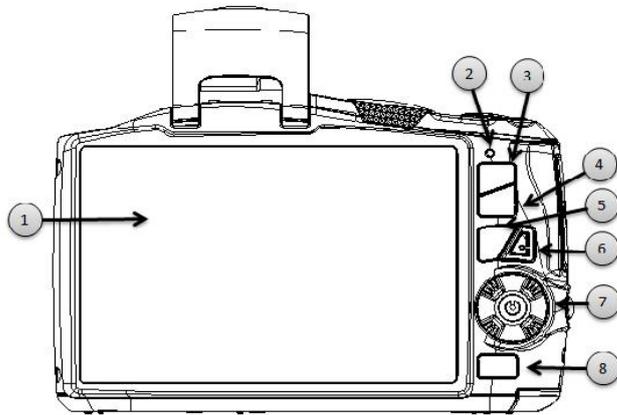
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I. Safety Instruction

- Don't use the camera if there's any abnormality.
- Damage or destruction to the camera caused by non-conformance with the instructions will be the user's sole responsibility.
- Don't place the camera in humid environment, and keep the camera dry.
- For normal use of power adapter during rainstorm, don't touch the power plug to prevent electric shock.
- Don't use the camera if there's any foreign matter in it.
- Don't insert any metal or other object into the openings of the camera, such as the memory card slot. The manufacturer will be exempted from any loss thus incurred.
- Don't try to restructure the camera.
- Don't use the camera when driving a car.
- Don't cover or pack the camera with a cloth. Please put the camera in a well-ventilated place.
- Unplug the wire connecting with the camera before use.
- Unplug the power supply or withdraw the battery for long-term suspension of use.

II. Camera Structure



1.LCD	2.LED Indicator	3.DISP	4.IOS
5.Playback Button	6.Delete	7.Five Direction Key(up/down/left/right/ok)	8.Menu
9.Power on/off	10.Quick Video Key	11.Zoom Button	12.Mode Switch
13. Flashlight	14.Focus Indicator	15.Lens	16.Nut of Tripod
17.Battery Compartment	18.USB		

III. Technical Parameters

Image Resolution	5600*4200、5152*3864 、4896*3672、4608*3456、4000*3000、3648*2376、3264*2448、3648*2056、2592*1944、2048*1536、1280*960、 640*480
Video Resolution	720P\ VGA\QVGA (The filming time depends on the storage medium capacity)
Storage Medium	External SD card(1G – 32GB)
File Format	JPEG, MOV
Camera Timer	Self time(2/5/10Seconds)
Shutter Speed	Electric shutter: 8 ~ 1/2, 000s
Zoom	5x Optical Zoom
White Balance	Automatic, sunny day, cloudy day, tungsten lamp and fluorescent lamp
Exposure Control	Exposure value(EV+2.0 ---EV -2.0)
ISO	Auto,50,100,200,400,800,1600
Flashlight Mode	Automatic, compulsory flash, anti-red eye flash, and shut down the flash
Connect with Computer	USB 2.0
TFT Display	3.5' TFT color LCD display
Power Supply	3.7V lithium battery
OSD Language	English, Simplified Chinese, Traditional Chinese, French, German,Russian, Spanish, Italian, Portuguese
Focal Length	f=5-25mm
Aperture	F=3.2-6.5
Auto Shutdown	1-5Min
Operate System	WIN98/2000/ME/XP/WIN 7

Note: Parameters may change without prior notice. Final interpretation right owned by our company.

IV. Introduction of Use

1. Installation of Lithium Battery

- Slide the battery cover open according to the arrow tips.
- Properly put the battery in the battery compartment.
- Close the battery cover.

2. Installation of SD Card

- Insert the SD card into the SD card slot, with the back facing the display.
- When use the SD card, the built-in memory will disabled.
- If need take out the SD card, press the SD card to the inside to remove it.

Notes:

- The camera's built-in memory can only take photos below 5M. Please insert SD card for normal use
- The "crack" sound during the insertion or withdrawal process means the SD card is well inserted or removed.
- The camera may not be able to identify non-standard card or card formatted on another device(e.g. computer). Format the card on this camera before use.

3. Power on/off

- a) Gently touch the Power key to start the camera.
- b) Without any action within the preset time period, the camera will automatically power off to save power.
- c) When it's powered on, gently touch the Power key to power off the camera.

4. Indicator Light

- a) When it's powered on, the red indicator turn on, and after entering the preview, the indicator light goes out, and the red indicator will blink when the charging.
- b) At the power off status, when connecting to the computer to charge via the USB wire, the red indicator light is turned on. The red indicator light is turned off or flickers when it's fully charged.
- c) Use battery and USB to charging, the camera will enter MSDC status, the red indicator will light always.

5. Operation Tips

- **Function of the Key:**
 - 1) Power: power on/off the camera
 - 2) Shot: Press lightly is focus, Press heavily is shot.
 - 3) Quick video key: Quick record video
 - 4) Zoom Key: W is Reduce/Return Nine block box location, T is zoom+, Enlarge Images
 - 5) Mode Switch: Rotary replacement mode
 - 6) DISP: Close/Open OSD, Grids
 - 7) Replay Key: Enter and exit photo preview
 - 8) ISO: ISO set up
 - 9) Up (Flashlight): Move up/Play/AVI/(Quick switch of flashlight)
 - 10) Down (Macro): Shift down/Shortcut switch macro
 - 11) Left (Self-timer): Shift left/(Quick selfie selection)
 - 12) Right (Exposure): Move right/(Quick exposure selection)
 - 13) OK Button: Confirmed key
 - 14) MENU: Open/Close menu

6. Mode

1. When the camera is turned on, enter the preview mode and press the playback key to enter the playback mode; In preview mode and can in turn mode switch key

"intelligent (automatic) model, program exposure, shutter priority, aperture priority, manually (manual mode), continuous shooting mode, camera, scene selection" eight kinds of shooting mode switch in turn, preview mode is used to take photographs and AVI format video recording, playback modes to browse images and AVI files.

In each mode, click the MENU button to enter the MENU, and you can see shooting and setting two options in the title bar. Press left and right to switch between these two options. Press the key to enter the submenu Settings, press the upper and lower keys to adjust between the submenus, press OK to confirm after entering the submenu, press MENU button to exit the MENU. The menu options are different in each mode, and each mode enters the menu option to see the following description.

2. smart (automatic) model: model alignment knob camera icon indicating position, both into the intelligent (to be automatic), this model is simple light; In this mode, click MENU key to enter the MENU with "image size, image quality, special effects shooting, date display" four options;

3. program exposure P: turn the knob P alignment model indicating position, both into program exposure mode, manually set the related parameters in order to get the better photo effect; In this mode, click MENU key to enter the MENU with "image size, image quality, photometric, white balance, ISO sensitivity, exposure, image sharpness, special effects shooting, date display" nine options;

4. shutter priority S: turn the knob as S icon alignment model indicates position both in shutter priority mode, press the OK key about available option after the shutter time (S) 8-1/2000, selected after the shutter time required to press OK button to confirm Settings; In this mode, click MENU key to enter the MENU with "image size, image quality, light measurement, white balance, ISO sensitivity, image sharpness, special effects shooting, date display" 8 options;

5. aperture priority A: turn the knob as A icon alignment model indicates position both in aperture priority mode, press OK key available choice after aperture (3.2-1/6.5), select the required aperture after press OK button to confirm Settings; In this mode, click MENU key to enter the MENU with "image size, image quality, photometric, white balance, ISO sensitivity, exposure, image sharpness, special effects shooting, date display" nine options;

6. manually (M) : turn the knob as M icon alignment model indicates position both in manual mode Settings, press OK key available choice after aperture (3.2 6.5), the available about choosing the shutter time (8-1/2000 s), select the shutter speed and aperture required after press OK button to confirm Settings; In this mode, click MENU key to enter the MENU with "image size, image quality, photometric, white balance, ISO sensitivity, exposure, image sharpness, special effects shooting, date display" nine options;

7. shoot, shoot turning mode knob icon position alignment model, both in continuous shooting mode, press the keys can be set to shoot, including "shoot, surrounded by automatic exposure, high-speed continuous shooting" three options; In this mode, click MENU key to enter the MENU with "image size, image quality, light measurement, white balance, ISO sensitivity, exposure, image sharpness, special effects shooting" eight options;
8. camera mode: turn mode switch camera icon position alignment model, both into the camera mode, press the MENU button to enter this mode MENU with "image size, white balance" two options;
9. SCENE mode: turning mode knob SCENE icon position alignment model, both into the SCENE (SCENE mode), when entering this mode must be in "scenery, backlight, night view, building, children, night portrait, food, text, snow, fireworks, dusk" choose one of the eleven options after the SCENE into the preview mode, press the MENU button to enter this mode MENU with "image size, image quality, metering, white balance, ISO sensitivity, exposure and image sharpness, take time, date display" nine options;
10. open camera system parameter setting, the default into the preview mode, the LCD panel in preview status, press the MENU button to enter the MENU, under this mode in the title bar can see pictures and set up two options, press the left key to switch between two options here, press the left key into the system Settings MENU, press the up and down key to select you need to set up options, options include "silent mode, the light frequency, automatic save electricity, date/time, the MENU language, serial number, format the memory card, boot screen, restore factory Settings" eight.
11. playback modes Turned off, press the playback can be switched on and into the playback mode to view photos, video; In the preview mode, you can click the playback key to view the photos, video; Playback mode, press the MENU button brings up a MENU of image and video processing, including "lock, delete, slide shows, copied to the memory card, special effects, rotate, change the image size, a voice note, photo frame" nine options;

V. Detailed Instructions of Use

A. Photo and Video

To focus the camera on the person or object that needs to be taken, light the camera to automatically focus on the camera. When the focal frame is changed to green, the focus is completed, and the photo button can be pressed to take photos. Press the camera button, after hearing 1 of "click", which is photographed one (the camera is store photos, move the camera can cause blurring, waiting for the camera back into the preview state and then move the camera), in the video mode according to the camera button to start video stop video, video recording sound at the same time, the

sound should be within 1.0 meters is preferred.

B.Menu Options

In each mode, click the MENU button to enter the MENU, and you can see shooting and setting two options in the title bar. Press left and right to switch between these two options. Press set button to enter submenu, press the up and down keys can be adjusted between each sub MENU, press the OK key to confirm after to enter submenu, press the MENU button directly exit MENU, each mode into the MENU options.

(一) Introduction Photo Menu

1. Enter the Image Size to set the photo size. The larger the photo size, the greater capacity needed for storage. The following sizes are available for photos taken by this camera:

- 1) 24M: 5600*4200
- 2) 20M: 5152*3864
- 3) 18M: 4896*3672
- 4) 16M: 4608*3456
- 5) 14M: 4288*3216
- 6) 12M:4000*3000
- 7) 10M: 3648*2736
- 8) 8M: 3264*2448
- 9) 7M: 3648*2056
- 10) 5M: 2592*1944
- 11) 3M: 2048*1536
- 12) 2M: 1920*1080
- 13) VGA:640*480

2. Image Quality(Photo Quality)

Enter the "Image Quality" menu to set with options of "Super, High and Common". The higher of the photo quality, the larger the size.

3. Photometry

Enter the "Test" menu to set with options of "Center, Multi-point and Single-point" to select photometry way based on the existing ambient.

4. White Balance

Enter the "White Balance" menu to set with the options of "Auto, Sunlight, Cloudy Day, Lamp(Tungsten Lamp) and Fluorescent Lamp". At different light source, different colors will show according to the color temperature.

5. Light Sensitivity

Enter the "Light Sensitivity" menu to set with the options of "Auto, 50,100, 200,

400,800,1600". For shooting in relatively dark scene, the higher the light sensitivity, the brighter the photos taken(side effect: more unnecessary objects involved)

6. Exposure

Enter the "Exposure" menu to set the exposure value between -2 and +2. The bigger value, the brighter screen, and the brighter photo, and vice versa. Manual set the value based on the ambient brightness to gain an optimal shooting effect.

7. Acutance

Enter the "Acutance" menu to set with options of "Soft, Common, Sharp and Cancel". The higher the acutance, the clearer the object profile.

8. Special effects film

Enter the "special effects shooting" menu, which can set special effects as "ordinary, black and white retro, brown retro, negative effect, red style, green style, blue style".

9. Selfies

Enter the "selfie timer" menu, which can be set "close, 2 seconds, 5 seconds, 10 seconds" timer, and can be used when taking a selfie.Set up the selfie, press the photo button, the screen countdown, the sound, and the selfie indicator light will synchronize the display.

10. Date Marking

Enter the "Date Marking" menu to set with options of "Close, Date, and Date&Time". When it's set with Date or Date&Time, according date or time will show on the photos taken.

(二) Menu of Video Mode

1.Size

Video mode can be selection size 720P 640*480 VGA or320*240QVGA.

2.White Blance

Camera model into the "white balance" menu, you can set the "automatically, during the day, cloudy, tungsten filament lamp, fluorescent lamp, custom" light source, under the various light sources, according to different color temperature according to different colours.

(三) Use of menu setting

1. Sound (mute mode)

To enter the "sound" menu, you can select the "shutter sound, start the sound, the sound of the button, the volume", and then press left and right to adjust the Settings.

2. Frequency

Enter the "frequency" menu and set the frequency to "50HZ, 60HZ".According to the frequency of light source used by each country, the corresponding setting (the light source frequency setting is incorrect can lead to the preview and the photo taken, the film has the frequency stripe).

3. Automatic power saving (automatic shutdown time setting)

Enter "automatic power saving" menu, you can set automatic shutdown time for "closed, 1 minutes, 3 minutes, five minutes", in order to avoid battery loss caused by the long time not operation, the default shutdown time for 3 minutes.

4. Date/time

Enter the "date/time" menu, to date, time, and year/month/day format Settings, press the left key to adjust to the need to set up project, press the up and down key to adjust, press OK key to determine and exit this menu.

5. Menu language

Enter the menu language menu, and you can set the language as "English, French, German, Spanish, Russian, Italian, Portuguese, simple and complex"

6. Series No.

7. Format the memory card

Enter the formatted memory card menu, according to the prompt can be format camera memory (such as insert SD card, format the SD card), formatting, memory (SD card) all files are lost.(use this function with caution)

8. Boot screen

Into the boot screen menu, you can set the boot screen is "closed, the default system (the default), the images I" three options, the use of my image for boot screen need to selection in playback mode set to boot screen set image for boot screen;

9. Restore factory Settings

Enter the "restore factory Settings" menu to restore factory Settings according to the prompts.

(四) Introduction of Replay Menu

When shutdown, press the playback key to boot and enter the playback mode to view the photos, video;In the preview mode, you can click the playback key to view the photos, video;Playback mode, press the MENU button brings up a MENU of image and video processing, including "lock, delete, slide shows, copied to the memory card, special effects, rotate, change the image size, a voice note, photo frame" nine options;Note: video files can only be "locked, deleted, copied to memory

card".With up and down keys to select to deal with the menu, press the OK button to enter, press the up and down key choice to deal with children, around key adjustment setting, don't need to be set according to the menu button to return to the higher level menu, press OK button to confirm Settings.

1. Lock

Into the "lock" menu, you can set the photo/video files to "lock leaflet, locking all case, remove all locking", photos of the lock can't be deleted, but will be formatted.one key icon appears above the locked file.

2. Delete

Enter "delete" menu. When deleting photos, you can select "single sheet, all". The file with lock will not be deleted, and the file will be protected when deleted.

3. Slide show

"Into" slide show "menu, can be slide shown on photo and setting, the menu includes" start, time, music, transition, repetition ", move up and down key to select need to set items,Left/right key adjusting setting, in the start menu press OK button to play.

4. Copy the memory card

"Into"the memory card "menu, can choose to copy" individual, all ", this feature is not card photo copy to the SD card, when at least one picture in this function need SD card before using.

5. Special effects (photo added effect)

To film "special effects" menu, but the current photo for special effects, special effects options have "remove red eye, black and white and restoring ancient ways, restore ancient ways, brown film effect, Mosaic, red, green, style, blue style".

6.Rotation

Enter the "rotate" menu, which can "rotate, save, return" operation. (this function is not available when recording the video file, and the photo cannot be rotated when the SD card is not inserted).

7. Modify the image size

To enter the "edit image size" menu, you can change the image to a small size (pixel) from a large size (high pixel) in order to use it (without this function).

8. Voice notes

Entering the "voice remarks" menu, you can choose to "add and delete" voice remarks to the current photos.

9. Boot screen

Into the boot screen menu, on current photos can choose ", no "set to boot screen,

set to boot screen after the need in the system Settings menu under the boot screen menu choose my image after the sub menu, click OK to confirm the subsequent boot screen will display set boot screen (playback video files without this feature)

10.Frame

In the photo frame menu, you can choose to add photo frame to the current photo.

VI. Other Functions

1. Flashlight

- 1) In rather dark scene, flashlight can be used to increase the exposure compensation. In preview state, press the Flashlight key to switch over automatic flashlight, forced flashlight, anti-red-eye flashlight and no flashlight.
- 2) Upon setting of auto flashlight, the camera will automatically decide whether to use the flashlight according to the ambient brightness.
- 3) Upon setting of forced flashlight, the flashlight is enabled no matter it's bright or dark in the environment.
- 4) Upon setting of anti-red-eye flashlight, it eases the red eye effect caused by the flashlight.
- 5) Upon setting of no flashlight, it flashes whether the environment is bright or not.

2.Macro

In the preview mode, it can be used to quickly open the macro distance, and the macro function can only be used for shooting at close range, while shooting distance using micro-heel can lead to the loss of coke.

3. Optical/digital zoom function

Press T/W can undertake optical/digital zoom, press the T key to enlarge, distant objects can be closer (note: the TFT display zoom bottom for optical zoom, the upper for digital zoom, zoom will not affect the shadow image, digital zoom multiples can make the image effect, such as zoom is a fuzzy phenomenon), press W to narrow.

4. Photo/video download

The above system can directly connect USB cable to download photos and videos. Before WIN2000, the system should be installed and driven before use.

VII. Maintenance and Safety

Perform regular maintenance to your camera and accessories.

1. Camera

- 1) Keeping the lens clean helps to take clear photos in the most possible focal distance. Wipe the lens clean, as well as fingertips and dust on the LCD display, with dry, soft gauze.
- 2) Wipe the camera appearance with clean, dry cloth. Rough cloth or abramer used in laundry store shall not be used to prevent damage to the camera appearance.
- 3) Don't place the camera under the sunlight or warm environment, e.g. the toolkit or luggage bag, for a long time.
- 4) Wait for a few minutes for the camera to adapt to the current environmental temperature when removing the camera from the low temperature environment to warm environment.

2. Battery

- 1) Use only batteries at good service state. No leaked, eroded or expanded batteries can be inserted to the camera.

3. Memory Card

To avoid deleting the data in the card or damaging the card, don't expose the card to environment of high temperature, humidity or static electricity.

Safety Precautions

Don't disassemble or repair the camera on your own to prevent the electric shock.

Keep the camera dry. Exposure to too humid environment may cause faults to the camera.

Immediately stop using the camera when there's moisture in the camera. Totally dry the camera in the air before reuse of the camera.