

I. Safety Instructions

- Never use if there's any abnormality with the camera.
- Never put the camera in damp environment, and keep the camera to be dry.
- Do not touch the power plug during the thunderstorm if you are using the power adapter, or otherwise you will suffer from electric shock.
- Never insert the metal or other foreign body into the access point of the camera like SD memory card slot, and the manufacturer is not responsible for any loss caused by such operation.
- Do not attempt to refit the camera.
- Do not use the camera while driving.
- Do not cover or encase the camera with the cloth, please put the camera in a well-ventilated place.
- When the camera is not in use for a long time, please take out the battery.
- The child under 12 years old is not supported to replace the battery or remove the SD.

II. Understandings on Parts of Camera

Parts corresponding to Schematic Diagram

1.Power button	2.Up-hand button	3.Down-hand button	4 .Display Screen	5 . Delete button
6 .M Button (Model Button)	7 . Wrist strap	8 .Lens	9 .USB / TV cover	10.Shoot /OK button
11.battery cover	12.Sling cover	13.SD sort		

III. Parts corresponding to Schematic Diagram

Image resolution	2592*1944、2048*1536、1600*1200、1280*960、1024*768,640*480
Storage medium	Externally plugged (1G – 32GB)
File Format	JPEG、AVI
Shutter speed	electronic shutter: 1/2 ~ 1/2,000 second
Balance	Auto
Exposure control	EV-2.0---EV+2.0
Sensitivity	Auto
Computer	USB2.0

TFT Display	1.44'TFT
Modes of shooting	Photograph; Single-snapshot and continuous capture; Timing & automatic capture (2 and 10 seconds) Movie: 1080P\720P\ VGA\ The shooting duration under modes depends on the capacity of the memory medium.
Power Control	Three AAA Batteries
OSD Languages	English, Simplified Chinese, Traditional Chinese, French, German, Spanish, Russian,
Focal Length	f=6.0mm
Aperture	F=2.8
Automatic Power-off	1-5Min
Operating system	WIN98/2000/ME/XP/WIN7

Note: Parameters are subject to changes without prior notice, and the company reserves all the rights for the final explanation

IV Introduction to Services

1. Installation and replacement of battery and SD record card

- 1) Remove the screws on the battery cover with the screwdriver.
- 2) Take out the battery cover.
- 3) Correctly install three AAA batteries according to anode and cathode signs at the battery compartment.
- 3) Mount SD card into SD card slot with the face upward.
- 4) When it is required to remove the SD memory card, inwardly press SD memory card, and then take it out.
- 5) Check if the above installations are properly made, and then cover the battery cover.
- 6) Screw on with the screwdriver and screw down the screws for the battery compartment.

Notes:

- **The 5V card sold on the market is unserviceable;**
- **The "click" sound in the process of card plugging or unplugging indicates SD card has been installed or removed;**
- **The camera may not be able to identify plug-in card in non-standard configuration or on format card on another device (e.g, computer, etc.) Make sure to format the plug-in card on this camera;**
- **Please independently provide the rechargeable battery if you use it, and this camera is not equipped with the charging function;**

2. Power-on/off of camera

- a) Long press the power key to enable the camera to enter the working state.
- b) If no operation occurs within the time limit set, the camera will automatically shut down in order to save the power.

c) Long press the power button under the power-on state to have the camera powered off.

3. Functions of Buttons

- 1) Power button: Long press this button to power on/off the Camera;
- 2) M Button: mode switch;
- 3) Photo button: Photo/camera/ AVI play/ AVI pause, switch the menu with menu mode, confirm to enter sub menu, and set the confirm ;
- 4) Up button: Up shift/ (quick frame photo background selection)/ downward menu mode selection)
- 5) Down button: Down shift/ (quick frame photo background selection) /upward menu mode selection)
- 6) Deletion button: Swiftly enter the deletion menu, playback mode brings up the playback menu;

4. Notes to Modes

When the camera is started up, press the power/mode button to successively switch between four modes including "photo, camera, playback and menu", the photo mode is used for shooting, the shootings of photos including delayed shooting, circulating shooting and continuous shooting may be conducted, the camera mode is used for purpose of shooting movies, the playback mode is used to browse images and AVI files , and the menu may be used to set and modify the shooting, camera and system settings.

5. Introduction to Menus

Press the power/mode button to switch into the menu mode, three

options including the photo, video recording and setting, and press the shoot button to switch between three options here. Press left and right buttons to select the submenu required to be set, press the Shoot button to enter the submenu option set, press left and right button according to the menu to upwardly and downwardly or press the power/mode button to take left or right selections and adjust between options, select the option to be set and press "Okay" button and return to upper-level menu, and press the power/mode button to directly quite the menu.(the photo modes involve six options including the image size, flash, shooting timestamp, continuous shooting, photo mode and circulating mode", and the camera photo modes involve three options including the video format, video timestamp and cycling camera", and setting patterns involve ten options including " the xposure, sound, power frequency, automatic shutdown, screen retention druation, date/time, language, formatting, recovery of delivery value, version information").

6. Shooting and Video recording

Aim the lens to shoot people or thing, press the photo button,and then take a photo after hearing one sound of "click" (the camera is saving photos, the movement of the camera may cause dim photo, and it is required to wait and have camera recover the preview state and then move the camera), press the shooting button in the recording mode to start/stop video recording, the sound should be saved while recording the video, and the sound within 1.0m is preferred.

V. Detailed Description of Services

A. Introduction to menu and functions under video function

The camera is under video mode in default when it is powered on, press M buttons key to a different frame photograph backgrounds. If it is required to set the photo mode, it is feasible to switch between four modes including the photo, video recording, playback and setup, it is supported to set submenus of three options including the photo shooting, video recording and system settings, and it is supported to set the photo menu by up and down buttons under the setting mode and shooting mode:

1. Video Format

The video format may be set to three size formats including HD(1920*1080)、720p(1280*720)、VGA(640*480).

2. Video Recording Time stamp

Enter the "Video Recording Times tamp" menu, and select" Close, Time and Date" to set if the time and date are marked on the film when the photo is photographed. The time and date will not be marked when the "close" is selected, whereas the time and date will be marked when the time and date are selected.

3. Circulating Photography

Enter the "cycle photography" menu, which can be set "close, open", set up the cycle photography to open, and enter the perturbation mode. The screen shows the circular photography icon, press the shooting button, and start the cycle of photography, 3 minutes and one cycle.

B. Introduction to Menu and Functions of shooting

The camera is under the video mode in default when the camera is opened, press the M button to switch it to the video mode, it is supported to successively switch between the video recording, playback, setting and photo if it is required to set the video recording mode, it is supported to set the submenus of three options including the photo, video recording and system setting after switching to the set mode, select the settings of the video recording mode by the photo button in the setting mode, and select the menu for video recording with up and down buttons:

1. Image size

It is supported to set the photo size by entering the "image size". The larger the image size is, the greater file storage capacity will be.

he camera may be set to the following sizes:

- 1) 5M: 2592*1944、
- 2) 3M: 2048*1536、
- 3) 2M: 1600*1200
- 4) 1M: 1280*960
- 5) SVGA: 1024*768
- 6) VGA: 640*480

2. Shooting time stamp

Enter the "shooting time stamp" menu, select "close, time and date"

to choose if the time and date of shooting is marked on the photo when the photo is photographed. The time and date will not be marked when the "close" is selected, whereas the time and date will be marked when the time and date are selected.

3. Continuous shooting

Enter the "continuous shooting" menu, select "lose and open" to set the opening or closing of continuous shooting. Set the opening of continuous shooting, press the photo button to take three photos.

4. Shooting Mode

Enter the "shooting mode" menu, set "close, 2-second and 10-second

d" timing, and the menu may be used for self shooting. Properly set the self shooting, press the camera button, the countdown and sound will synchronously prompt on the screen.

5. Circulating Shooting

Entering the "circulating shooting" menu, you can set the "closed, 2s, 3s" timing, continuous, circulating shooting, set the duration interval of circulating shooting, press the shooting button, the count down and sound on the screen will synchronously prompt.

C. Playback Mode

The camera is in photo mode in default when it is powered on,press the M button two times to switch from the video recording mode to playback mode to preview photos and videos shot , press the delete button for the delete operation while previewing the photo files , press the photo button for play/pause AVI videos while playing back video files, press left or right button to take fast forward or fast

resume play of movie, press the M button to stop play; and press the delete button to choose to protect and delete the video files played back .

Introduction to Playback Menu

1. Protection

Press the delete button in the playback mode to enter "Protection" menu, it is supported to "lock and unlock" photo/video files, the photos locked will be formatted instead of being deleted. A key icon will display above the locked file.

2. Delete

Press the delete button in the playback mode to enter the "Delete" menu, it is supported to select this photo while deleting the photo, select the "delete all and cancel current photo" while deleting all, canceling, deleting the film", locked file will not be deleted, and it will be prompted that the file has been protected while the deletion

operation is made.

Quick deletion function: press the delete key in photos or video mode can be put directly into a replay and delete the pop-up dialog box, according to the need to choose whether to delete;

D Introduction to Settings Menu

When the camera is powered on, press the M button to successively switch between the photo, video recording, playback and settings mode, press the photo button to switch between three options including the photo settings, camera settings and system settings after switching to the settings modes, and press the left and right buttons to select the menu to be set for settings after switching to the menu of system settings, which are shown as follows:

1. Exposure

Enter the "Exposure" menu to select set exposure in "- 2 ~ + 2"

with the power/mode button. The greater the value is, the higher the screen brightness will be, and the brighter the photo shot will be; And the lesser the value is, the lesser the screen brightness will be, and the darker the photo shot will be. Manual settings may be conducted according to the brightness of the environment to achieve the best effect of shooting.

2.Sound

It is supported to select the "Photo, Start up Sound, Keypad Tone and Volume" for settings by use of left and right buttons after entering the "Sound" menu, select the item to be set with left or right button, and then press the M button to adjust and to select the value to be set, press photo "Okay" and return to the menu at upper level;

3. Power Frequency

Enter the "Power Frequency" menu to set the frequency to be "50HZ, 60HZ". Take appropriate settings according to different light source

frequencies in different countries (improper setting of light source frequency lead to fringe frequencies found with photos and films previewed)

4. Automatic Shutdown

Enter "Automatic Power-off" menu to set up automatic shutdown duration to be "1 minute, 3 minutes, 5 minutes, OFF" in order to avoid battery loss caused for non-operation for long time, and the shutdown duration in default is 1 minute.

5. Screen Saver Duration

Enter the "Screen Saver Duration" menu, it is supported to set the screen saver duration to be "30 Seconds, 1 Minute, 3 Minute and OFF", the screen saver duration in default is OFF, and open the screen saver to effectively reduce the battery loss.

6. Date/Time

Enter the "Date/Time" Menu to set the formats in the date, time,

and year/month/day, press the power/mode button to adjust to the items to be set, press Up and Down buttons to adjust, press the photo "Okay" button to confirm and quit this menu.

7. Language

Enter the "Language" menu to set 23 languages including "English, Simplified Chinese, Traditional Chinese, French, German, Spanish, Russian, Italian, Portuguese, Japanese," etc

8. Format

Enter the "Format" menu to format the camera memory according to the prompts (format SD card if it is plugged), and all the files of the memory (SD card) will be lost. (Use this feature with care)

9. Factory Set Value Recovery

Enter the "Factory Set Value Recovery" menu to recover the factory set value according to the prompts.

10. Version Information

Enter the "Version Information" menu to view the version information.

VII. Maintenance and Safety

1. Camera

Keeping clean lens may help you shoot the photos with better results within most likely focal length. Gently wipe up fingerprints and dust on the lens and LCD screen with dry and soft cloth.

Never put the camera in the sun or extremely warm environment (e.g., tool bag, luggage, etc.)

If you want to move the camera from the temperature environment to a warm environment, you must wait a few minutes before use, and make adjustment to the current camera environment temperature

2. Battery

Only use the battery in good condition. Don't put the leaked,

corroded, expanded battery into the camera.

3. Memory Card

In order to avoid deleting the data or the card or the card from being damaged, don't expose the card to high-temperature, humidity, or static environment.

Safety Prevention

In order to avoid the risk of electric shock, do not open the camera or repair the camera without authorization. Keep the camera dry, immediately stop using the camera when it is found to suffer from the moisture. The camera must be completely dried in the air prior to reuse of the camera.