

Digital 10X25 Camera Binoculars



OPERATION MANUAL

Table of Contents

| | |
|--|----|
| 1. Profile..... | 1 |
| 1.1. Kit descriptions..... | 1 |
| 1.2. An introduction to the digital telescopic camera..... | 1 |
| 1.3. LCD descriptions..... | 3 |
| 1.4. Relevant parameters..... | 3 |
| 2. Use of the digital telescopic camera..... | 4 |
| 2.1. Turn on/off..... | 4 |
| 2.2. Common shooting mode..... | 4 |
| 2.3. Automatic shooting mode..... | 5 |
| 2.4. Continuous shooting mode..... | 5 |
| 2.5. Video Recording mode..... | 5 |
| 3. Functions..... | 6 |
| 3.1. Delete a photo..... | 6 |
| 3.2. Delete all photos..... | 6 |
| 3.3. CIF mode..... | 6 |
| 3.4. QCIF mode..... | 6 |
| 3.5. Compression mode..... | 6 |
| 3.6. Non-compression mode..... | 7 |
| 3.7. Shooting light source AC voltage frequency 50Hz mode..... | 7 |
| 3.8. Shooting light source AC voltage frequency 60Hz mode..... | 7 |
| 4. Installation and application of software..... | 7 |
| 4.1. Software installation..... | 7 |
| 4.2. Software descriptions..... | 8 |
| 4.3. Setting of video parameters..... | 9 |
| 4.4. Photo downloading and viewing..... | 10 |
| 4.5. File previewing..... | 10 |
| 4.6. File storage..... | 11 |
| 4.7. Play an AVI file..... | 11 |
| 4.8. Pickup head mode..... | 11 |
| 5. Photo Impression 4.0..... | 12 |
| 6. Others..... | 13 |
| 6.1. Precautions..... | 13 |
| 6.2. Trouble shooting..... | 14 |
| 6.3. Protect your digital telescopic camera properly..... | 14 |

1.Profile

1.1.Kit descriptions

System requirements

Operating system: Windows98/WindowsME/Windows2000/WindowsXP

CPU: PII 200MHZ MMX or above

Internal memory: 32M or more CD-ROM

Display card: 2M or above USB interface

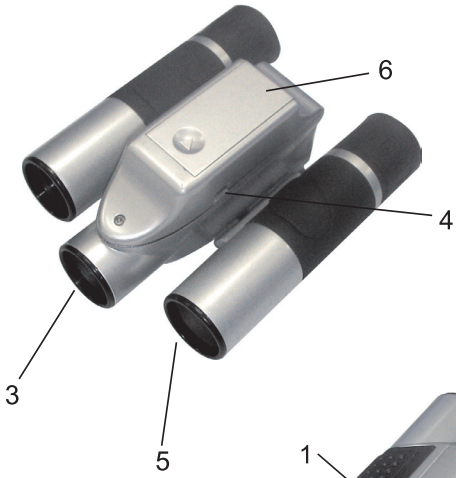
Hard disk: 500M or more VGA or above monitor

Please check if all the fittings have been supplied before using this product:

- 1) One digital telescopic camera;
- 2) One USB connecting wire;
- 3) One software driver CD;
- 4) One product manual;
- 5) Two Size-AAA batteries.

1.2.An introduction to the digital telescopic camera

1. Start-up button "M"
2. LCD panel
3. Optical shooting lens
4. USB socket
5. Telescope and viewfinder
6. Battery Compartment
7. Shutter/OK button "S"



1.3. LCD display descriptions

SD: Common shooting mode
OF: Turn off the digital camera
SL: Self-shooting mode
CL: Continuous shooting mode
CP: Compression mode
NP: Non-compression mode
AV: Video-taping function mode
CL: Delete one photo
CR: Delete all photos
HR: High definition format
LR: Low definition format
F5: AC frequency 50Hz
F6: AC frequency 60Hz

1.4. Relevant parameters

Storage medium: 16Mb SDRAM
Number of photos: CIF (352*288) about 20 photos;
QCIF(176*144) about 81 photos
Lens: 1/4 inch fixed lens
Aperture: 2.8
Exposure value: automatic
White balance: automatic
Delayed self-shooting: 10 seconds
Communication interface: USB standard interface
Image sensor: 1/4 inch CMOS
Shooting mode: single photo/delayed self-shooting/continuous shooting/continuous short video taping (AVI mode)
Exposure speed: 1/60 second-1/1500 seconds

LCD: 2 digits and letters

Imaging speed: 12 pictures/second (network IP mode); 8 pictures/second (continuous shooting/short videotaping mode)

Power source and management:

- A) Two Size-AAA alkaline battery
- B) The camera is turned off automatically after not being operated for 30 seconds
- C) Allows continuous shooting for 10 hours
- D) Alarm against low voltage of battery

Total weight: about 271g (excluding batteries)

Dimensions: 124mm long, 91mm wide, 62mm high

Operating system: Windows98/2000/ ME/XP

2. Use of digital telescopic camera

2.1. Turn on/off

➤ Turn on: used to turn on the camera. Press the Mode button for 3 seconds, the LCD displays either "H-" or "L-", and then displays "20"; among others, "H-" or "L-" means that the camera is in high definition or low definition format, and "20" means the common shooting mode and the number of photos that can be taken.

➤ Turn off: when the camera is turned on, press the Mode button, until the LCD displays "00"; press the Shutter button to turn off the camera; otherwise, in case you do nothing within 30 seconds, this digital telescopic camera will be turned off automatically.

2.2. Common shooting mode

➤ Press the Mode button, the LCD displays "20", i.e. common shooting state.

➤ Aim the binoculars at the target, and press the shutter button

when you see the clearest image inside the binoculars to shoot a digital photo, which seems largely the same as the real one (pay special attention: as this system features a pixel level of 352X480, the image quality will differ slightly from what you observe).

➤ Press the shutter button to take a photo, the buzz gives a tick, meaning that the photo is taken; and the numeral on the LCD falls by 1 automatically.

➤ When the maximum number of photos are taken, the LCD displays "00"; then press the shutter button, you will hear a ticktack sound; but the numeral on the LCD will not change.

2.3. Automatic shooting mode

➤ Press the Mode button, select the Automatic Shooting Mode "5L";

➤ Press the shutter button for self-shooting; there will be a delay of 10 seconds, and a tick tack sound will be heard when the self shooting is done.

➤ After self-shooting is done, the numeral on the LCD will fall by 1 automatically, and the common shooting mode is resumed.

2.4. Continuous shooting mode

➤ Press the Mode button, select the continuous shooting mode "CL";

➤ Press the shutter button for continuous shooting, until you release the shutter button or the "number of photos" numeral turns "00", before stopping shooting.

2.5. Video Recording Mode

➤ Press the Mode button, select the recording mode "R1";

➤ Press the shutter button to start recording, the LCD will blink at the same time.

➤ If recording gets started, do not stop recording until you release the shutter button or the "number of photos" numeral turns "00".

➤Notes: move your hands slowly and smoothly during the recording course.

3. Functions

3.1. Delete one photo:

- Press the Mode button, the LCD will display "*EL*";
- Press the shutter button to select a photo, the LCD will blink; then press the shutter button again to confirm your selection, then the last photo will be deleted. Then the "number of photos that can be taken" numeral displayed on the LCD will rise by 1.

3.2. Delete all photos:

- Press the Mode button, the LCD will display "*ER*";
- Press the shutter button to select all the photos, the LCD will blink, then press the shutter button to confirm your selection, then all the photos are deleted.

3.3. CIF mode

- Press the mode button, the LCD will display "*HR*";
- Press the shutter button to confirm, turn off the camera in this state; when turning on the camera again, the LCD will display "*HR*".

3.4. QCIF mode

- Press the mode button, the LCD will display "*LR*";
- Press the shutter button to confirm, turn off the camera in this state; when turning on the camera again, the LCD will display "*LR*".

3.5. Compression mode

- Press the mode button, the LCD will display "*EP*";
- Press the shutter button to confirm.
- In the compression mode, CIF can take 60 photos;

➤ In the compression mode, QCIF can take 243 photos.

3.6 Non-compression mode

➤ Press the mode button, LCD will display "nP";

➤ Press the shutter button to confirm;

➤ In the non-compression mode, CIF can take about 20 photos;

➤ In the non-compression mode, QCIF can take about 81 photos.

3.7 Shooting light source AC voltage frequency 50Hz mode

➤ Press the mode button, LCD will display "F5";

➤ Press the shutter button to confirm;

➤ When the AC frequency is 50Hz, please select his (default: 50Hz).

3.8 Shooting light source AC voltage frequency 60Hz mode

➤ Press the mode button, the LCD will display "F6";

➤ Press the shutter button to confirm.

➤ When the AC frequency is 60Hz, please select this.

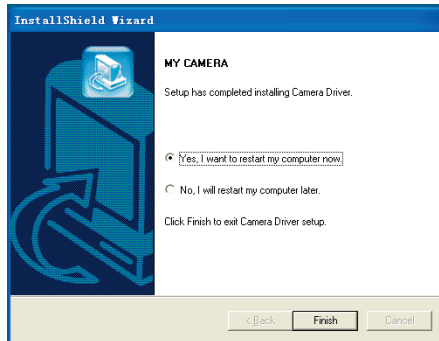
➤ Note: 50HZ and 60HZ mean different AC frequencies in different regions and countries (50Hz in China and 60Hz in the North America and Europe). The user needs to shift between these two frequencies according to the region or country that he or she is in. When a wrong frequency is selected, you will see the image or picture blink when taking photos in an indoor lighting environment.

4. Software installation and application:

4.1 Installation of software

➤ Put the software CD into your CD-ROM, to run the SETUP.EXE of the software, and operate as per the prompts given on the screen. Please do not connect the camera to the





computer until software is completely installed first.






➤ Restart your computer after completion of installation.

4.2 Software descriptions



-  Save the currently selected photo;
-  Save all photos;
-  Pause previewing;
-  Start previewing

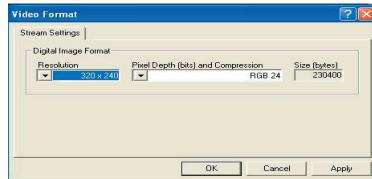
-  Capture a current photo – online shooting (Capture Single);
-  PC-CAMERA mode (PC-Camera): enter the PC pickup head working mode;
-  Photo album mode.

4.3 Setting of video parameters

- Light source blinking frequency (De-flicker)—when the light source features AC 220V 50HZ, please select 50HZ; otherwise, choose 60HZ;
- Image refreshing speed (AE speed): usually Standard is selected.
- As for environmental light source, select Daylight or Office or Home as you desire.
- In addition, you may set the exposure, thus to change the brightness of PC-Camera images.
- Of course, you may also press the "Default" to restore the default state of the program;

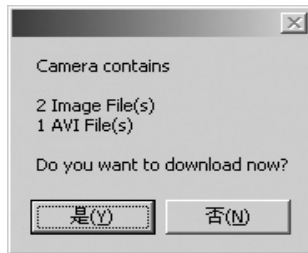


➤ Video color mode and resolution selection:



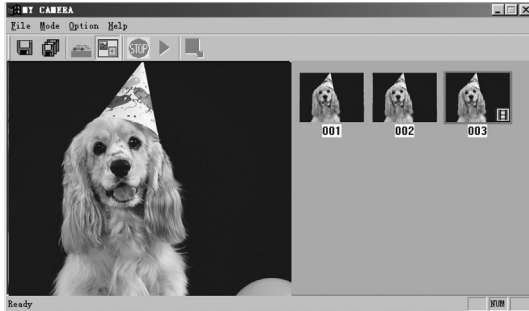
4.4 Photo downloading and viewing

Connect the digital camera to your computer using the provided USB cable. Run the software application and follow the prompts and select "YES" to download stored photos.



4.5 File previewing

Select the photo that you want to preview on the right side of the download interface, then the selected photo will be displayed on the left side in its real-life size, as shown below:



4.6 File storage

Click to save  your selected photo;

Click to save  all the photos.

4.7 Play an AVI file

To download an AVI file (by the same method as that applied for downloading a photo), click the icon on the lower right side of the AVI file to play (your computer must be installed with some multi-media broadcasting software, such as Windows Media Player or Real Player Basic).


4.8 Pickup head mode


Connect the digital telescopic camera with your computer by use of a USB wire, double click the shortcut icon on the desktop picture.





The following interface will appear:



Click to  enter the pickup head working mode;

Click to  stop the pickup head working mode;

Click to  start real-time videotaping.

Click to  seize the current scene;

5. Photo Impression 4.0

You can use Photo Impression 4.0 to download and edit photos further.



6. Miscellaneous

6.1 Precautions

Please make sure all photos stored in the camera's memory are downloaded first, before you remove or change batteries as all data will be lost.

6.2. Trouble shooting

Q: Press the startup button, but the digital telescopic camera does not work.

A: You may have not install batteries; check if batteries have been installed in full or properly; if not, please install good-quality batteries properly.

Q: The digital telescopic camera suffers a sudden power cut.

A: In most cases, this is because batteries have run out of electricity, please replace them.

Prompt: when you use the digital telescopic camera, if the electric

charge is not enough, please save the photos in the camera into your computer immediately, and also replace the batteries with new ones.

6.3. Protect your digital telescopic camera properly:

The digital telescopic camera is a precision device, and must be kept and used carefully. To prevent it from suffering damage, it is strictly prohibited to:

- (1) Let it fall down or collide with any hard object.
- (2) Put it into water or rainwater.
- (3) Put it in a hot, cold or moist environment.
- (4) Put it in an environment featuring great vibrations.

Note:

Remove batteries from the unit if you will do no plan on using the digital binocular for an extended period of time.

WARNING: DO NOT USE the binocular to view the sun directly