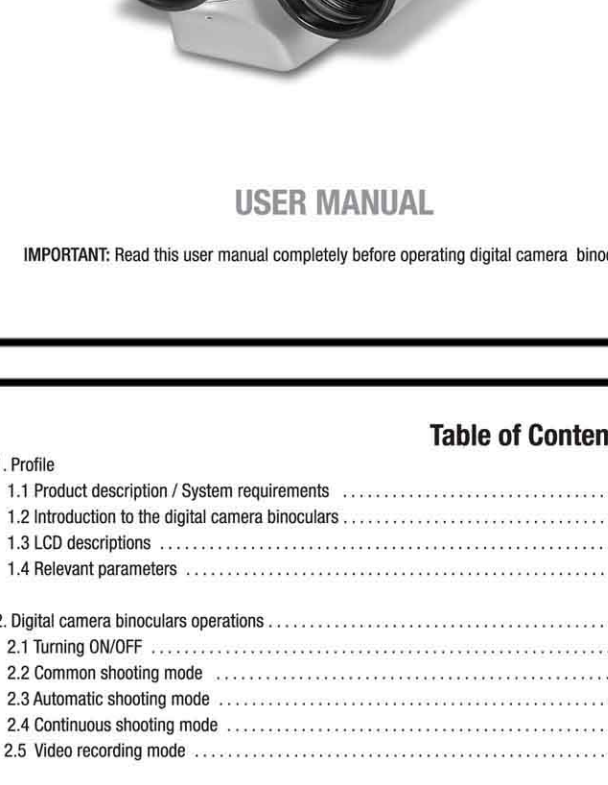


# Digital Camera Binoculars



## USER MANUAL

**IMPORTANT:** Read this user manual completely before operating digital camera binoculars

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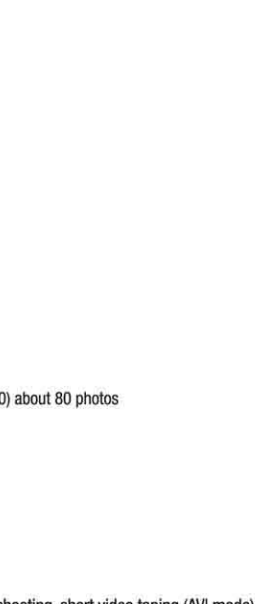
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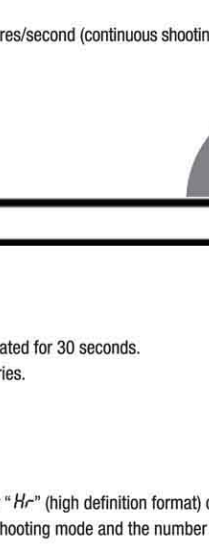
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- 1. Profile**
- 1.1 Product description / System requirements**
- System requirements  
 Operating system: Windows98, WindowsME, Windows2000, WindowsXP, Vista  
 CPU: P4, 200MHz MMX or above  
 internal memory: 32MB or more  
 Display card: 2MB or more  
 CD-ROM  
 USB interface  
 VGA monitor or above
- Please check that below accessories are included:
1. One digital camera binoculars
  2. One USB cable
  3. One software driver CD
  4. One user manual
  5. Two "AAA" batteries
  6. Tripod mount (tripod not included)



- 1.2 introduction to the digital camera binoculars**
1. Start button "M"
  2. LCD panel
  3. Optical camera lens
  4. USB port
  5. Binoculars and viewfinder
  6. Battery compartment
  7. Shutter / OK button "S"



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- 1.3 LCD display descriptions**
- 20: Common shooting mode
  - DF: Turn off the digital camera
  - S: Self-shooting mode
  - CS: Continuous shooting mode
  - CP: Compression mode
  - NP: Non compression mode
  - RT: Video taping function mode
  - CL: Delete the last 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: VGA (640x480) about 20 photos; QVGA (320x240) about 80 photos  
 Lens: 1/4 inch (6.35 mm) 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, short video taping (AVI mode)  
 Exposure speed: 1/60 second - 1/1500 second  
 LCD: 2 digits and letters  
 Imaging speed: 12 pictures/second (network IP mode), 8 pictures/second (continuous shooting, short video taping)

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- Power source and management:**
- Requires two "AAA" batteries.
  - The camera turns OFF automatically after not being operated for 30 seconds.
  - 10 hours continuous shooting with two new "AAA" batteries.
  - Low battery warning.
- 2. Digital camera binoculars operations**
- 2.1 Turning ON / OFF**
- To turn ON: Press the Mode button, the LCD displays either "Hr" (high definition format) or "Lr" (low definition format) and then reads "20" (the common shooting mode and the number of photos that can be taken).
  - To turn OFF: When the camera is turned on press the Mode button, until the LCD displays "DF", press the shutter button to turn off the camera. The camera will be turned off automatically after 30 seconds without operation.
- 2.2 Common shooting mode**
- Press the Mode button, the LCD displays "20" (the common shooting mode).
  - To shoot a photo, aim the binoculars at the target and press the Shutter button when you see the clearest image inside the binoculars. As this system features a pixel level of 640 x 480, the image quality will differ slightly from what you see in the binoculars.
  - Press the Shutter button to take a photo, the binoculars gives a tick, meaning that the photo was taken and the numeral on the LCD decreases by one automatically.
  - When you press the shutter button and hear a tick tack sound but the numeral "00" on the LCD doesn't change, the maximum number of photos were taken. Download the photos on your computer to free the memory for more photos.

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- 2.3 Automatic shooting mode**
- Press the Mode button, select the Automatic Shooting mode "5L".
  - In self-shooting mode, press the shutter button and there will be a delay of 10 seconds and a tick sound will be heard when the photo was taken. The numeral on the LCD will decrease by one and the common shooting mode will resume.
- 2.4 Continuous shooting mode**
- Press the Mode button, select the Continuous Shooting mode "CL".
  - When recording gets started, it will not stop recording until you release the shutter button or the numeral on the LCD reaches "00".
- 2.5 Video recording mode**
- Press the Mode button, select the recording mode "Rl".
  - Press the Shutter button to start recording, the LCD display will blink.
  - The recording session will continue until you release the Shutter button or the LCD displays "00".
- Note: During the recording session move the digital camera binoculars slowly and smoothly.
- 3. Functions**
- 3.1 Delete the last photo**
- Press the Mode button, the LCD will display "CL".
  - Press the Shutter button, the LCD display will blink, press the Shutter button to confirm your selection, the last photo will be deleted. The numeral on the LCD will rise by one, one photo will be added to the number of photos that can be taken.

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- 3.2 Delete all photos**
- Press the Mode button, the LCD will display "CR".
  - Press the Shutter button to select all the photos, the LCD display will blink, press the Shutter button to confirm your selection, all the photos will be deleted from memory. Once they are deleted from the digital camera binoculars they won't show up in the preview mode.
- 3.3 VGA mode**
- Press the Mode button, the LCD will display "Hr".
  - Press the Shutter button to confirm. If you turn off the camera in this mode, the LCD will display "Hr" the next time you turn on the camera.
- 3.4 QVGA mode**
- Press the Mode button, the LCD will display "Lr".
  - Press the Shutter button to confirm. If you turn off the camera in this mode, the LCD will display "Lr" the next time you turn on the camera.
- 3.5 Compression mode**
- Press the Mode button, the LCD will display "CP".
  - In the compression mode, VGA can take 40 photos.
  - In the compression mode, QVGA can take 160 photos.
- 3.6 Non-Compression mode**
- Press the Mode button, the LCD will display "NP".
  - Press the Shutter button to confirm.
  - In the non-compression mode, VGA can take about 20 photos.
  - In the non-compression mode, QVGA can take about 80 photos.

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- 3.7 Shooting light source AC voltage frequency 50Hz**
- Press the Mode button, the LCD will display "F5".
  - Press the Shutter button to confirm.
  - When the AC power source frequency is 50Hz (check with a local electrician), select 50Hz (default setting is 50Hz).
- 3.8 Shooting light source AC voltage frequency 60Hz**
- Press the Mode button, the LCD will display "F6".
  - Press the Shutter button to confirm.
  - When the AC power source frequency is 60Hz (check with a local electrician), select 60Hz.
- Note: 50Hz and 60Hz means different AC frequency in different regions and countries (50Hz in China, 60Hz in North America and Europe). The user needs to shift between these two frequencies according to the region or country. When an incorrect frequency is selected, the image will blink while photo is taken in an indoor environment.
- Note: For better picture quality use the digital camera binoculars in an outdoor daylight environment.

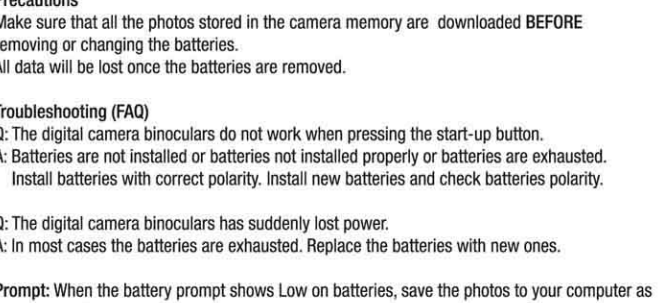
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- 4. Software installation and application**
- 4.1 Software installation**
- Put the software CD into your CD-ROM drive, click on the SETUP.EXE and follow the instructions on the screen. Do not connect the digital camera binoculars to the computer until the software is completely installed.
  - Restart the computer after the software installation is complete.
- 
- 4.2 Software descriptions**
- 1. Specification of the tools for download**
- Tools for downloading and browsing photos - double click on desktop icon. Double click on Digital Binocular file.

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### IMPORTANT NOTICE REGARDING PICTURE SIZE

The picture taken with the camera is smaller than the image viewed through the binoculars (refer to the diagram below).



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- 1. Specification of the tools for downloading and browsing photos.**
- 
- Icon for turning off software
  - Icon for selection of last page
  - Icon for selection of next page
  - Icon for downloading photos
  - Icon for transferring photo to Adobe® Photoshop®
  - Icon for storing photos
  - Icon for selecting all photos
  - Icon for image adjustment
  - Icon for deleting all photos in binoculars
- Note: This button only works if your computer has Adobe® Photoshop®.  
 \* Adobe® Photoshop® not included.

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- 2. Downloading photos**
- Use the USB cable to connect the PC to the digital camera binoculars and double click on then double click on the Digital Binocular file. Then select to download photos.
- 3. Deleting all photos**
- The software will delete all photos in digital camera's memory by clicking . The photos will stay visible and will be deleted after exiting the software.
- 4. Transferring photos to Adobe® Photoshop®**
- Launch Adobe® Photoshop®, select "Import" from "File" and click "Digital Binoculars". Click to import the photos. Click transfer the photos to Adobe® Photoshop®.
- 
- 5. Browsing photos**
- Double click the photo which you want to browse, it will be displayed at the actual size.
- 6. Saving photos**
- Right click the photo you want to save, click the icon to save it in the file folder.  
 Note: All photos are selected as default setting. Click on to deselect or select all photos.
- 7. Playing AVI file**
- Download the AVI file (same as downloading photos), double click to play the AVI file. A multi-media player such as Windows Media Player should be installed on the computer in order to play AVI files.

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- 5. Miscellaneous**
- 5.1 Precautions**
- Make sure that all the photos stored in the camera memory are downloaded BEFORE removing or changing the batteries. All data will be lost once the batteries are removed.
- 5.2 Troubleshooting (FAQ)**
- Q: The digital camera binoculars do not work when pressing the start-up button.  
 A: Batteries are not installed or batteries not installed properly or batteries are exhausted. Install batteries with correct polarity. Install new batteries and check batteries polarity.
- Q: The digital camera binoculars has suddenly lost power.  
 A: In most cases the batteries are exhausted. Replace the batteries with new ones.
- Prompt: When the battery prompt shows Low on batteries, save the photos to your computer as soon as possible and replace the batteries.
- 5.3 Care for your digital camera binoculars**
- The digital camera binoculars is a precision device, it must be kept and used with care. To prevent it from being damaged:
1. Do Not let it fall or collide with hard objects.
  2. Do Not put it in water or let it get wet.
  3. Do Not store or leave in a hot, cold or moist environment.
  4. Do Not leave in an environment with strong and/or sustained vibrations.
- 5.4 Tripod mount**
- To attach tripod mount into digital camera binoculars, insert tripod mount (tripod included) as shown in the image. Match up tripod and binoculars screw openings. Attach tripod (not included) by twisting the attached binoculars and tripod mount into the tripod screw. Tighten screws and knobs on tripod to secure binoculars and mount.
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- 5.5 Storage**
- Store the digital binoculars camera in a dry without excessive temperature place.
- Note:**  
 Remove the batteries from the unit if you do not plan on using the digital camera binoculars for an extended period of time.
- WARNING: DO NOT** use the digital camera binoculars to view the sun directly.

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