

## ROOF PRISM BINOCULARS WITH DIGITAL CAMERA

# Digital Binoculars 2.0 Mega pixels

## INSTRUCTIONS MANUAL

To ensure the best performance from your DIGIBINO, please read this Operation Manual before using the DIGIBINO.

### Overview

Thank you for buying the DIGIBINO-digital binoculars. Please read this manual carefully before using this product in order to get the most out of all the features and functions.

Convenience, quality, flexibility and fun are all what the digital binoculars provides. With the true 1.3 Mega-pixel image sensor with 2 mega-pixel image enhancement, the digital binocular takes quality photos in any condition. In addition to still pictures, the digital binoculars can also be used to record short movies or used as web camera to perform video on network/ internet. Photos and movies can be uploaded to PC or for storage, sharing or manipulating with the software packages included.

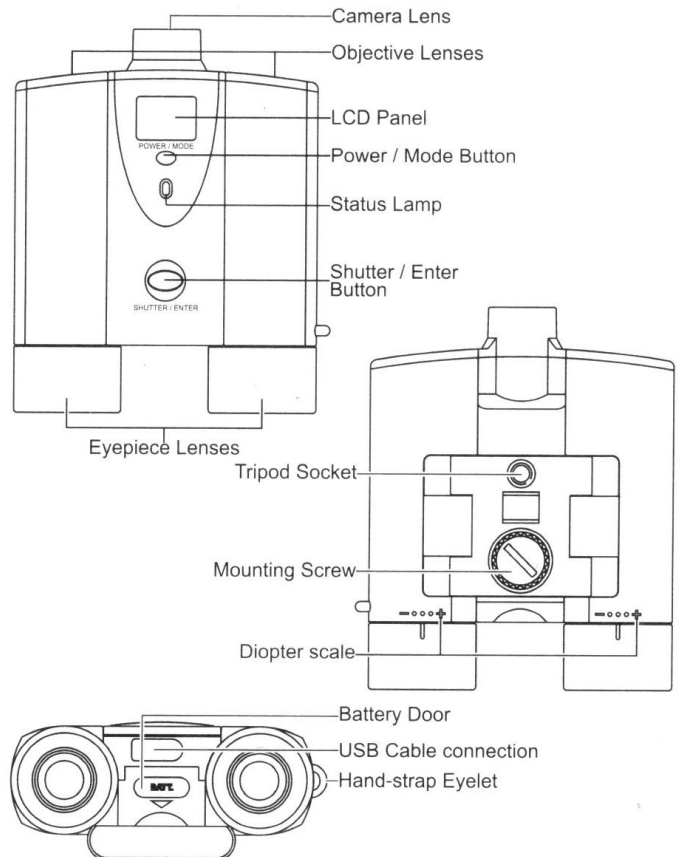
### WARNING

- NEVER look at the sun using the Digital Binoculars.
- Do not leave the Digital Binoculars in direct sunlight. Sun rays passing through this product will be intensified, and should they focus on flammable materials, fire may occur.



### Care to be Taken when using

- Do not direct the digital binoculars to the sun with the lens barrier open. It may damage the image pickup device.
- Do not apply excessive force when adjusting the diopter adjusting ring, or eyepiece adjusting joint.
- Do not use the digital binoculars where it may come in contact with rain, water or any other liquid, because this product is not weather, water, or liquid resistant.
- Places of high temperature and humidity should be avoided. Particular care should be taken regarding vehicles, which can become very hot inside.
- If the digital binoculars is subjected to rapid temperature changes, condensation may form on the inside. Take this product out when the difference in temperature has subsided.
- Turn the camera off when not in use. When battery power is exhausted, replace the old batteries with new batteries.



## Buttons and controls

- Power / Mode button
    - Power on: when power off, press and hold this button for a second until power on. Also, the connection of USB can power on the camera automatically.
    - Power off: when power on, press and hold this button for a second until power off.
  - note: the duration of idle that without any key pressed over one minute will trigger the auto power-off function.
  - Mode change: press this button rapidly to switch between modes and select settings. The mode setting operation is a cyclic loop. By pressing the button every time, the camera enter the next mode sequentially.
- Shutter / Enter Button
- Capture: press this button to take pictures when power on (but not take pictures during the mode change).
  - Confirm: during mode change, press this button to confirm the selected setting.

## D Status Display Descriptions



- Camera mode icon
- Image size icon: 1280x1008(SXGA), 640x480(VGA).
- High/Low quality icon: LQ mode is with compression, HQ mode is without compression.
- 3-segments battery status icon
- Number icon: Show picture number at Camera and Video mode, show *PC* at PC mode and show *FUL* when memory is full.
- Continuous snap shot mode icon: A single press on the shutter button will capture 3 continuous pictures (3 pictures per 2 seconds)
- Video camera mode icon
- Self-timer mode icon: The shutter delay 10 seconds and then take picture.
- Electrical power frequency icon: *50H* for 50Hz electrical power frequency, *60H* for 60Hz electrical power frequency. Set it according to the country where you are, and the flicker effect on the image will be eliminated in indoor picture taking.
- Delete One/All icon: *ONE* indicates the deletion of the last picture or video clip, and *ALL* indicates the deletion of all pictures and video clips stored in the memory.

## Part I Digital Camera Operation

### Getting Started

#### Installing / Replacing Batteries

- Open the battery compartment cover.
  - Insert batteries (2 x AAA-size) according to the indicated polarity.
  - Close the battery compartment cover.
- Note: Photos and video clips in your digital binoculars remain even when there is no battery.

Important: Do not mix old batteries with new batteries. Always dispose exhausted batteries properly. Do not insert anything except appropriate batteries into battery compartment as this may cause damage to the camera.

#### Battery Level Indicator

You can check the battery level by viewing the symbol displayed on the LCD display.

- " " Adequate power remain
- " " Battery is running low
- " " Battery is exhausted

### Taking Pictures

#### Operation

- Press and hold **Power/Mode** button for a second to turn the power of the camera on.
- While looking through the binoculars, search the target to be taken.
- Press the **shutter/enter** button. You will hear a confirmation beep and the chirp sound will rise for about few seconds. The image would be recorded in the memory and the picture counter would be updated.



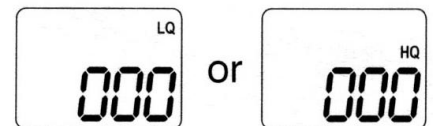
Note: a) Press and hold **Power/Mode** button for a second to turn the power of the camera off when it not in use.

- b) In order to minimize power consumption, the camera will automatically turn off after 1 minute (default) of inactivity or processing complete.

### Changing the image quality

#### Operation

- Turning power on.
- In the camera state, press the **Power/Mode** button once to switch to LQ/HQ mode.
- Press the **Shutter/Enter** button to confirm the mode will be set.
- Press **Power/Mode** button to switch the LQ/HQ mode selection.

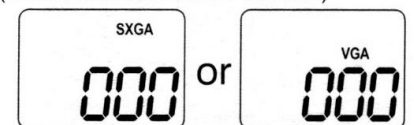


- Press **Shutter/Enter** button again, the quality mode would be set and return to standby state.

### Changing the image size

#### Operation

- Turning power on
- In the camera state, press the **Power/Mode** button twice to switch to SXGA/VGA mode.
- Press the **Shutter/Enter** button to confirm the mode will be set.
- Switch the SXGA /VGA mode by press **Power/Mode** button.
  - SXGA - 1280 x 1008 pixels (recommended in normal situation)
  - VGA - 640 x 480 pixels



- Press **Shutter/Enter** button again, the image size would be set and return to standby state.

Note: User can get 1600x1200 pixels (2MB) image size pictures through "Interpolation" function in up-loading process.


## Continuous snap shot setting

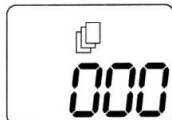
### Operation

Turning power on  
In camera state press **Power/Mode** button rapidly to switch to Camera mode.



Press **Shutter/Enter** button to confirm the mode will be set.

Press **Power/Mode** button to switch to  mode.



Press **Shutter/Enter** button again, the Continuous Snap Shot mode would be set and return to Continuous snap shot standby state.

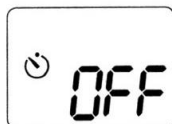


Press **Shutter/Enter** button once to take 3 continuous pictures in about 2 seconds.

## Self-timer setting

### Operation

Turning power on  
In the camera state, press **Power/Mode** button rapidly to switch to Self-timer mode.



Press the **Shutter/Enter** button to confirm the mode will be set.

Press **Power/Mode** button to switch the Self-timer on.



Press **Shutter/Enter** button again, the Self-timer mode would be set and return to standby state.



Press **Shutter/Enter** button once, The camera shutter will delay 10 seconds and then take a picture.

Note: Self-timer mode also function in Continuous snap shot mode but not in Video camera mode.

## Changing electrical power frequency

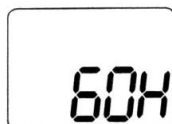
### Operation

Turning Power On  
In camera mode, press **Power/Mode** button rapidly to switch to Electrical power frequency mode.



Press **Shutter/Enter** button to confirm the mode will be set.

Press **Power/Mode** button to switch to 60Hz setting.



Press **Shutter/Enter** button again, the mode would be set and return to standby mode.



## Deleting Images

The image stored in the memory can be deleted.


### Operation

1. When the camera is powered on and in standby state, press **Power/Mode** button rapidly to switch to Delete Mode




2. Press **Shutter/Enter** button to confirm the mode will be set.

3. Press **Power/Mode** button to switch to Delete one.

4. Press **Shutter/Enter** button again to confirm your selection, then the  icon would be blinking.



5. Press **Shutter/Enter** button one more time, The last picture would be deleted permanently, and the picture number decrease by 1 and return to the standby state.

Note: a) If  **ALL** is selected on step 3, user needs press **Shutter/Enter** button one more time to reconfirm for deleting all pictures. deleted, images cannot be restored.

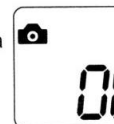
b) You can delete Video clip by the same steps 1 to 5.

## Recording Video clips

This Digital Binoculars can record Video clips each at 40 seconds duration and the frame rate is 10fps at 320 x 240 resolution.

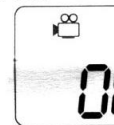
### Operation

1. When the camera is powered on and in standby state, press **Power/Mode** button rapidly to switch to Camera mode.

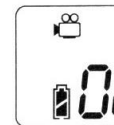


2. Press **Shutter/Enter** button to confirm the mode will be set.

3. Press **Power/Mode** button twice to switch to Video camera mode.



4. Press **Shutter/Enter** button once again, Video mode would be set and return to Video standby state.




5. Press and hold **Shutter/Enter** button to start capture video continuously until the button is released, and chirp sound will rise and last during capturing. The video clip would be recorded in the memory and the counter would be updated. The Video camera mode would be cancelled and return to camera standby state automatically.

## Resume state

When in mode setting, if there are no keys pressed in 5 seconds, the camera escape the mode setting and then return to the standby state.

## Memory in full

If memory were full, the icon  is shown and the camera raises an alarm sound.

