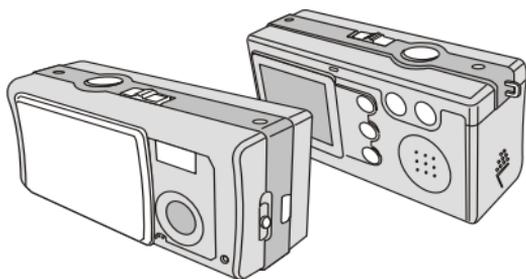


# SlimCam 4000

---

*USER'S MANUAL*



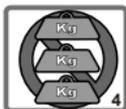
## | WELCOME |

*Dear user, thanks for purchasing this product. Much investment in time and effort has gone into its development, and it is our hope that it will give you many years of trouble-free service.*

---

### CAUTION

1. Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.
2. Avoid all contact with water and dry hands before using.
3. Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera.
4. Use the camera with care. Avoid pressing hard on the camera body.
5. For your own safety, avoid using the camera when there is a storm or lightning.
6. Avoid using batteries of different brands or types at the same time. There is potential of explosion from using incorrect batteries.
7. Remove batteries during long periods between usage, as deteriorated batteries may affect the functionality of the camera.
8. Remove batteries if they show signs of leaking or distortion.
9. We suggest using only the accessories supplied by the manufacturer.



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**CAUTION**



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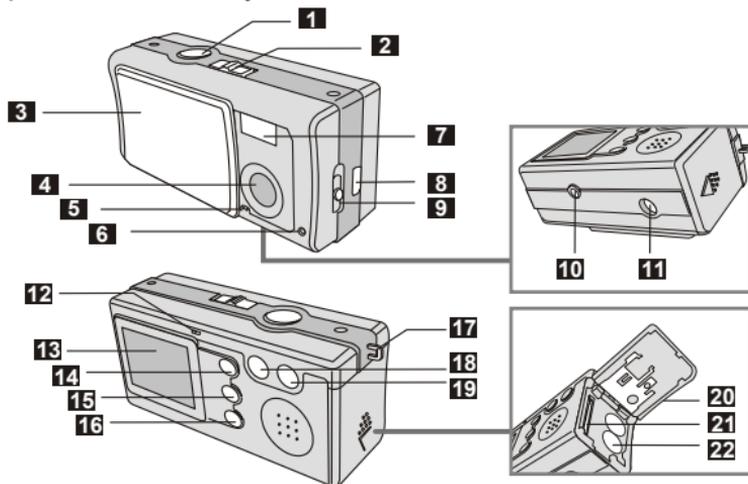
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# Getting Started

## 1. Your camera parts

Knowing your camera parts well before using it will help you operate it more easily.

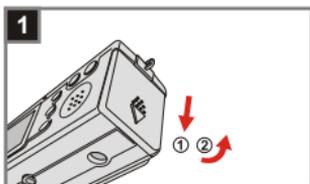


- |                              |   |
|------------------------------|---|
| <b>1</b> Shutter/OK button   | <b>13</b> LCD display   |
| <b>2</b> Mode switch         | <b>14</b>  PLAYBACK button<br>(Control  button) |
| <b>3</b> Lens cover          | <b>15</b> Smart key<br>(Control  button)   |
| <b>4</b> Lens                | <b>16</b> MENU/  button  |
| <b>5</b> Microphone          | <b>17</b> Strap hook  |
| <b>6</b> Self-timer lamp     | <b>18</b> Control - button (Zoom out)   |
| <b>7</b> Flash strobe        | <b>19</b> Control + button (Zoom in)  |
| <b>8</b> USB port            | <b>20</b> Battery/card cover  |
| <b>9</b> Focus switch        | <b>21</b> Card slot   |
| <b>10</b> Earphone connector | <b>22</b> Battery section   |
| <b>11</b> Tripod port        |   |
| <b>12</b> LED indicator      |   |

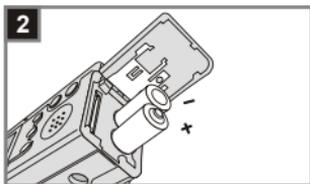
## 2. Loading the battery

Please use two AAA batteries.

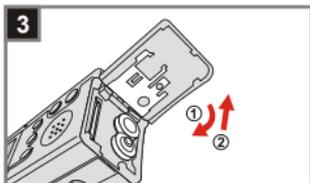
- 1** Slide the **battery/card cover** in the direction of the indication to open it.



- 2** Follow the indication to load batteries into the **battery section** with the correct + and - ends.



- 3** Close inward and slide upward the **battery/card cover** to lock it.



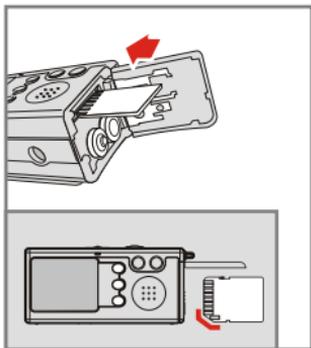
1. We recommend you to use rechargeable 1.2 V Ni-MH batteries as this will increase time of usage.
2. You can also use 1.5 V alkaline batteries.

For details of the battery life, please see the "Battery life" section on page 56.

### 3. Inserting and removing the SD/MMC card

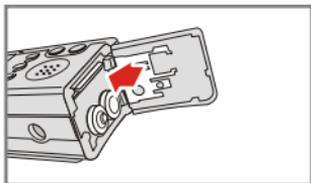
#### 1 Inserting the card

- 1 Open the **battery/card cover**.
- 2 Insert the card in the direction of the indication and push it in till the end of the card plot.
- 3 Close the **battery/card cover**.

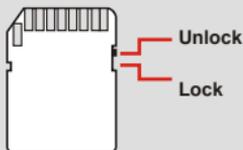


#### 2 Removing the card

Push in and release the card to remove it.



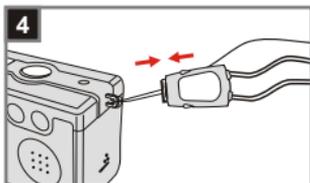
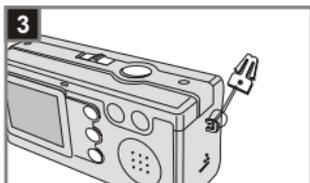
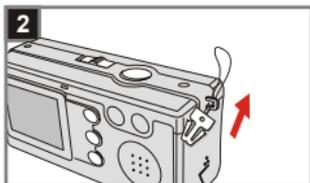
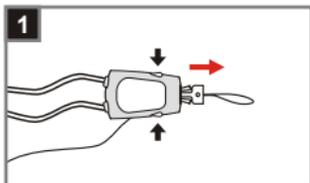
1. The camera comes with 16MB flash memory built inside for storage. If you do not insert a SD/MMC card, the data will be saved in the built-in flash memory automatically.
2. The SD card comes with a write-protect switch. When the write-protect switch is set to the **lock** position, the card will become non-writable. To ensure that the camera can operate normally, please set the write-protect **unlock** position before inserting the card.



## 4. Attaching the strap

For convenience and safety, you may wish to attach the carrying strap.

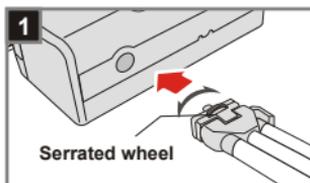
- 1** Press the buttons as indicated to separate the strap into two parts.
- 2** Thread the strap loop through the hook in the direction indicated.
- 3** Fasten the strap loop as indicated.
- 4** Combine the strap as indicated.
- 5** Wear the strap around your neck.



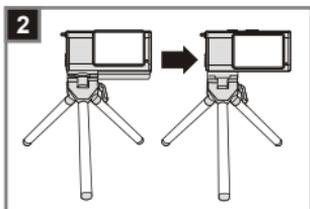
## 5. Using the tripod

Use the tripod to minimize camera movement and ensure optimal image quality, particularly while taking self-portraits, longer movies, video conferencing or in the macro mode.

- 1 Attach the tripod to the port on the bottom of the camera and rotate the serrated wheel to lock it.



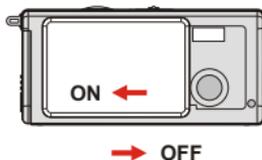
- 2 Unfold the legs to set up. Then adjust the alignment to the desired position.



## Basic Operation

### 1. Switching on and off

Slide the **Lens cover** in the direction of the arrow to switch the camera on or off.



If the camera is idle for over 60 seconds, the LCD display will be turned off to conserve battery power, press any key to wake up the camera. If you do not operate this camera for over 3 minutes, the camera will shut down automatically.

## 2. Setting the Mode switch

This camera provides two modes of use - DSC (Digital Still Camera) and Audio modes. Push the **Mode switch** to select the mode that you wish to use. Each mode comes with sub-items as below.

### 1 DSC mode:

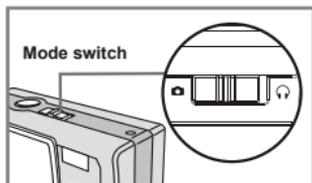
Taking still pictures, recording movies and setting the camera.

- AVI:** recording a movie
- SELFTIMER:** taking a self-portrait picture
- SETTING:** fine tuning the camera settings

### 2 Audio mode:

Recording audio clips and playing WAV or MP3 files.

- MP3 WAV:** playing your audio clip or MP3
- VOICE RECORD:** recoding an audio clip



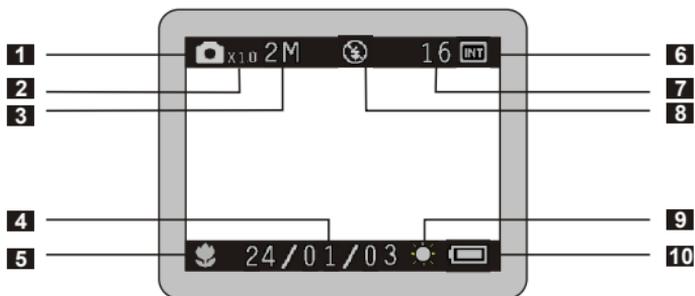
DSC mode



Audio mode

### 3. Taking still pictures

#### 1 The LCD display information

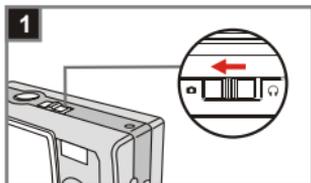


- 1** Still picture mode
- 2** Zoom ratio
- 3** Resolution
- 4** Date stamp
- 5** Focus mode
- 6** Storage media
  - Internal memory: **INT**
  - SD card: **SD**
  - MMC card: **MMC**
- 7** Remaining number of pictures
- 8** Flash status
- 9** White balance or effect status
- 10** Battery life

## 2 Snapshot

### 1 mode

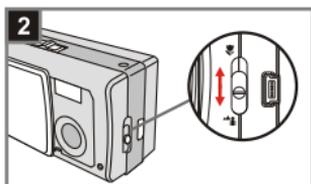
Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



### 2 Focus

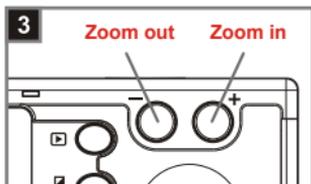
Push the **Focus switch** to set the mode best for your picture.

	Macro	12"~16" (30cm~40cm)
	Micro	16"~∞ (40cm~∞)



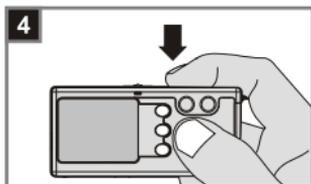
### 3 Zoom in or zoom out

Press the **Control +** button to zoom in or the **Control -** button to zoom out.



### 4 Take a still

Press the **Shutter button** to take a shot.



## 4. Recording movies

### 1 The LCD display information

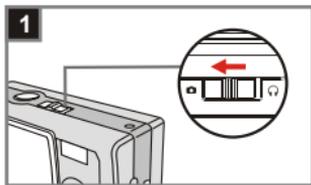


- 1** Movie mode
- 2** Remaining time of a recording
- 3** Focus mode
- 4** Storage media
  - Internal memory: 
  - SD card: 
  - MMC card: 
- 5** White balance or effect status
- 6** Battery life

## 2 Making a movie

### 1 mode

Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



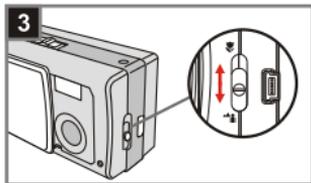
### 2 Select the AVI item

Press the **MENU/**  **button**. Use the **Control**  **buttons** to highlight the **AVI** item, then press the **Shutter button** to confirm.



### 3 Focus

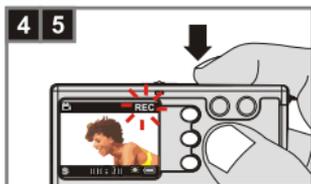
Push the **Focus switch** to set the focus as appropriate.



	Macro	12"~16" (30cm~40cm)
	Micro	16"~∞ (40cm~∞)

### 4 Start recording

Press the **Shutter button** to start recording.

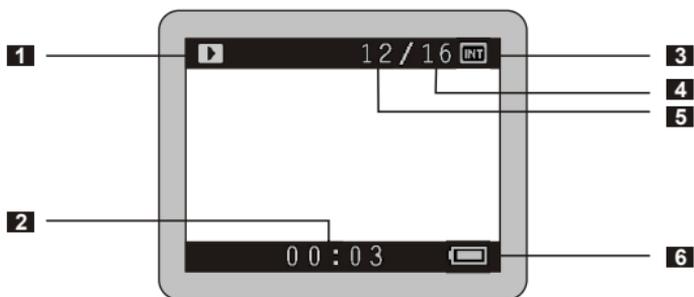


### 5 Stop recording

Press the **Shutter button** again to stop recording.

## 5. Playing your pictures and movies

### 1 The LCD display information

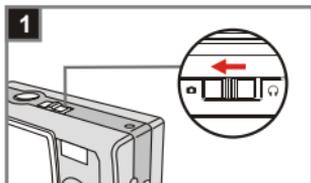


- 1** Playback mode
- 2** Playing time of a recording
- 3** Storage media
  - Internal memory:
  - SD card:
  - MMC card:
- 4** Number of pictures and movies taken
- 5** Picture or movie number
- 6** Battery life

## 2 Viewing pictures

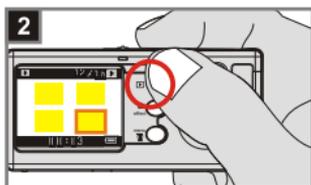
### 1 mode

Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



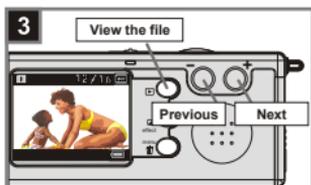
### 2 Playback mode

Press the  **PLAYBACK button** to enter a thumbnail view. The last image taken will be highlighted.



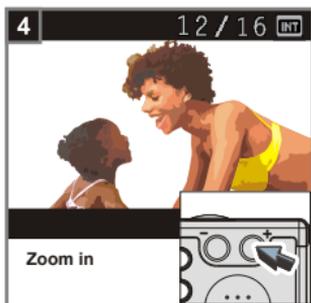
### 3 Select images

Press the **Control - button** to select the previous image or the **Control + button** to select the next one. Once you select the target file, press the  **PLAYBACK button** to view the file.



### 4 Zoom in for a close-up look

If you want to take a closer look, press the **Control + button** to zoom in.

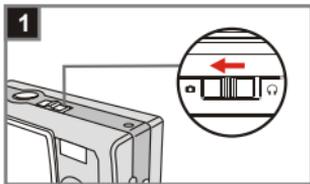


 Press the **MENU/ ** button to exit.

### 3 Viewing movies

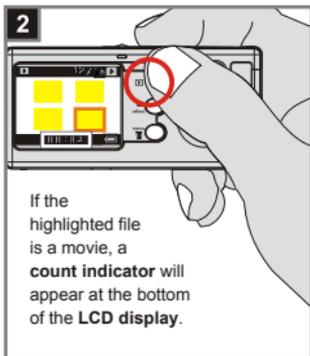
#### 1 mode

Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



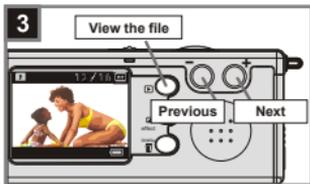
#### 2 Playback mode

Press the  **PLAYBACK button** to enter a thumbnail view. The last image taken will be highlighted.



#### 3 Select images

Press the **Control - button** to select the previous image or the **Control + button** to select the next one. Once you select the target file, press the  **PLAYBACK button** to view the file.



#### 4 Stop playing the movie

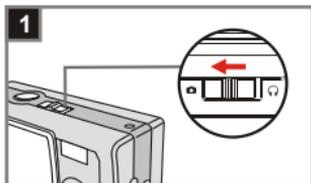
While playing a recording, press the **Shutter button** to stop playing the movie.

1. Press the **MENU/  button** to exit.
2. While playing a movie on the camera, sound playback is not available. Please insert the earphone into the earphone connector on the camera, or copy the movie to your computer (for details, see page 33) to view it with sound playback.

## 4 Deleting pictures and movies

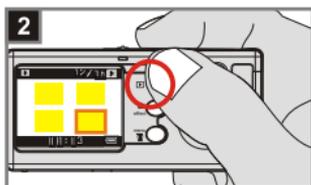
### 1 mode

Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



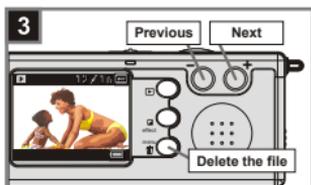
### 2 Playback mode

Press the  **PLAYBACK** button to enter a thumbnail view. The last image taken will be highlighted.



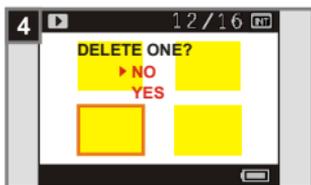
### 3 Select images

Press the **Control -** button to select the previous image or the **Control +** button to select the next one.



### 4 Delete the image

Once you select the target file, press the **MENU/**  button to bring up a confirmation screen of deletion. Then press the **Control**  buttons to select the **Yes** item. Press the **Shutter** button to complete the action of deletion.



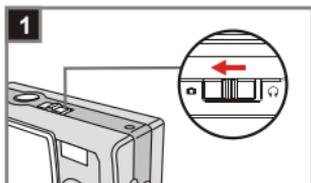
As the step. 4 above, select the **No** item and then press the **Shutter** button to exit if you do not wish to delete the image.

# Advanced Settings

## 1. Menu access

The **SETTING Menu** provides more advanced features for you to fine-tune the camera. The following describes how to access the **Menu**.

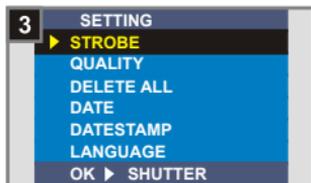
- 1**  **mode**  
Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



- 2** **Select the SETTING item**  
Press the **MENU/**  **button**. Use the **Control**  **buttons** to highlight the **SETTING** item, then press the **Shutter button** to confirm.



- 3** **Adjust the settings**  
Use the **Control**  **buttons** to highlight the desired item, then fine tune the setting of your camera.



 Press the **MENU/**  **button** to exit.

## 1 Setting the language

When you switch the camera on for the first time, the LCD display may not be shown in your local language. You can set the LCD display language by using the method below.

- 1 Select the LANGUAGE item**  
Under the **SETTING Menu**, use the **Control**  **buttons** to highlight the **LANGUAGE** item, then press the **Shutter button** to confirm.



- 2 Select a language**  
Use the **Control**  **buttons** to highlight the desired language, then press the **Shutter button** to confirm. Press the **MENU/**  **button** to exit.



## 2 Setting the date and time

When you switch the camera on for the first time, please set up the date and time.

- 1 Select the DATE item**  
Under the **SETTING Menu**, use the **Control**  **buttons** to highlight the **DATE** item, then press the **Shutter button** to confirm.



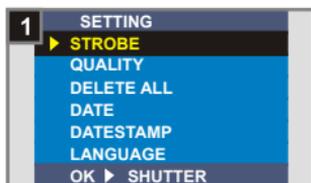
- 2 Set date and time**  
Use the **Control +/- buttons** to adjust the value, then press the **Shutter button** to shift between items. Press the **Smart key** to confirm or the **MENU/**  **button** to exit.



### 3 Using the flash strobe

When the lighting is not sufficient for your shooting environment, the flash can provide the extra light you need.

- 1 Select the STROBE item**  
Under the **SETTING Menu**, use the **Control**  **buttons** to highlight the **STROBE** item, then press the **Shutter button** to confirm.



- 2 Select the AUTO item**  
Use the **Control**  **buttons** to highlight the **AUTO** item and press the **Shutter button** to confirm. Then press the **MENU/**  **button** to exit.



OFF		The strobe does not fire.
AUTO		The strobe will automatically fire as more light is needed.



Charging the flash strobe requires more battery power. When the battery power is low, the flash strobe **Auto** cannot be set. Please change the batteries.

## 4 Setting the resolution

Changing the resolution affects the number of pictures that can be taken. The higher the resolution is, the more memory-demanding the images will be.

- 1** **Select the QUALITY item**  
Under the **SETTING Menu**, use the **Control**  **buttons** to highlight the **QUALITY** item, then press the **Shutter button** to confirm.



- 2** **Select a desired item**  
Use the **Control**  **buttons** to highlight the resolution you want to choose, and press the **Shutter button** to confirm. Then press the **MENU/**  **button** to exit.



<b>2304X1728</b>	<b>4M</b>	The most memory-demanding option. Select the 2304x1728 type when you want to develop 6*8 photos or smaller.
<b>2048X1536</b>	<b>3M</b>	The default setting. Select the 2048x1536 type when you want to develop 5*7 photos or smaller.
<b>1600X1200</b>	<b>2M</b>	The most memory-saving option. Select the 1600x1200 type when you want to develop 3*5 photos or smaller.



We recommend you to use 2048X1536 to optimize image quality and memory use.

-  For details, please see the "Storage capacity" section on page 57.

## 5 Setting the date stamp

Enabling the date stamp will print the date of shooting on the picture.

- 1 Select the DATESTAMP item**  
Under the **SETTING Menu**, use the **Control**  buttons to highlight the **DATESTAMP** item, then press the **Shutter button** to confirm.



- 2 Select the YES item**  
Use the **Control**  buttons to highlight the **YES** item and press the **Shutter button** to confirm. Then press the **MENU/**  button to exit.



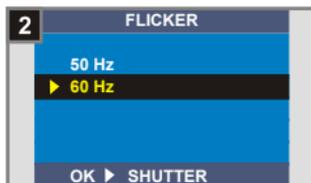
## 6 Setting the flicker

If you travel to another country, the flicker setting may not suit the country you are staying. To prevent noise on the LCD display, please set the flicker matching the place you are staying.

- 1 Select the FLICKER item**  
Under the **SETTING Menu**, use the **Control**  **buttons** to highlight the **FLICKER** item, then press the **Shutter button** to confirm.



- 2 Select a desired item**  
Use the **Control**  **buttons** to highlight the flicker you want to choose, and press the **Shutter button** to confirm. Then press the **MENU/**  **button** to exit.



-  For more details on flicker settings, please refer to "More on flicker" on page 57.

## 7 Delete all and format

You can use "delete all" or "format" function to quick erase obsolete files. "Delete all" will only delete files, while "format" will format the storage and thus erase all files.

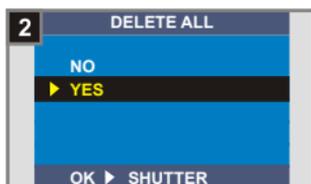
### 1 Select the DELETE ALL or FORMAT item

Under the **SETTING Menu**, use the **Control**  buttons to highlight the **DELETE ALL** or **FORMAT** item, then press the **Shutter button** to confirm.



### 2 Select the YES item

Use the **Control**  buttons to select the **YES** item, and press the **Shutter button** to confirm. Then press the **MENU/**  button to exit. Note that the deleted files can not be restored.

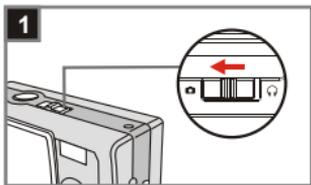


**!** All images and other files will not be recovered if you select the **Format** item.

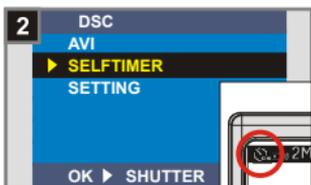
## 2. Using the self-timer

The self-timer allows a delay of ten seconds before the shutter fires when taking a self-portrait picture.

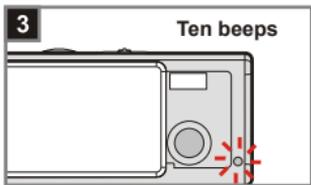
- 1**  **mode**  
Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



- 2** **Select the SELFTIMER item**  
Press the **MENU/**  **button**. Use the **Control**  **buttons** to highlight the **SELFTIMER** item, then press the **Shutter button** to confirm. You will see a  icon on the top left section of the LCD display.



- 3** **Use the self-timer**  
When the **Shutter button** is pressed, the camera will have ten seconds delay with the **Self-timer lamp** flashing and ten beeps emitting before taking a picture. After the shutter fires, the self-timer will be automatically disabled.

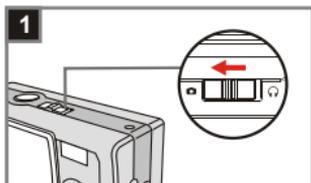


### 3. Using the Smart key

The **Smart key** allows you to immediately apply the functions in common use - **Auto, Sunny, Cloudy, Fluorescent, Tungsten** (white balance [WB]) and **B & W** (photo effect) - of this camera, as well as view the real-time change on the LCD display.

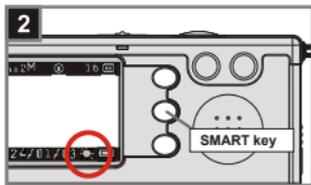
#### 1 mode

Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



#### 2 Press the Smart key

Press the **Smart key** to switch the mode to cycle through six choices - **Auto, Sunny, Cloudy, Tungsten, Fluorescent** and **B & W** on the LCD display.

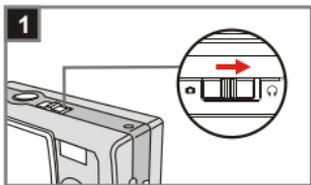


<b>Auto</b>		This item determines the best white balance setting automatically for your shooting environment.
<b>Sunny</b>		Suitable for normal outdoor shooting under sunny (bright) weather.
<b>Cloudy</b>		Suitable for cloudy weather or shady (dim) environments.
<b>Tungsten</b>		Suitable for indoor shooting with incandescent lamp lighting (low color condition).
<b>Fluorescent</b>		Suitable for indoor shooting with fluorescent lamp lighting (high color condition).
<b>B &amp; W</b>		Changes the shot to black and white.

# Audio Functions on your Camera

## 1. Recording an audio clip

- 1**  mode  
Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



- 2** Select the **VOICE RECORD** item  
Use the **Control**  buttons to highlight the **VOICE RECORD** item, then press the **Shutter button** to confirm.



- 3** Start recording  
Press the **Shutter button** to start recording an audio clip.



- 4** Stop recording  
Press the **Shutter button** again to stop recording.

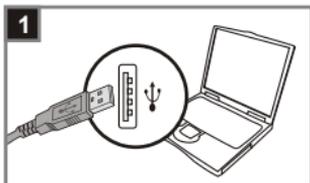
 Press the **MENU/**  button to exit.

## 2. Uploading MP3 files to your camera

Before you can play MP3 music, you need to connect your camera to the computer and upload MP3 files.

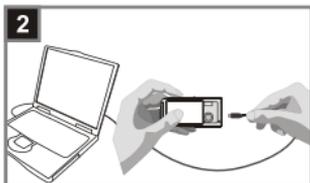
### 1 Connect your computer

Turn on your computer. Insert the USB cable to the USB port of your computer. Make sure the cable and the port are correctly aligned.



### 2 Connect your camera

Insert the other end of the USB cable to the USB port on your camera.



### 3 Copy MP3 files

After connecting your camera to the computer, you can find a "Removable disk" in "My computer". Browse to the "100MEDIA" folder and copy MP3 files to this folder.



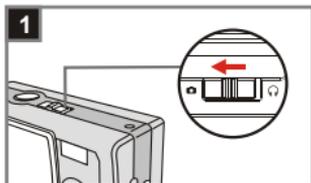
Once the MP3 files are copied to the computer, the system will automatically name the MP3 files after "AAAAxxxx.MP3", where xxxx indicates a number of four digits.

**!** For Windows 98SE users: You may need to install **MP3 Cam Manager** to use the removable disk. Please see page 33 for details on the installation.

### 3. Playing WAV or MP3 files

Before the following steps, please insert the earphone to the earphone connector on your camera first.

- 1**  **mode**  
Slide the **Lens cover** to switch the camera on. Then set the **Mode switch** to .



- 2** **Select the MP3 WAV item**  
Use the **Control**  **buttons** to highlight the **MP3 WAV** item, then press the **Shutter button** to confirm.



- 3** **Select the SINGLE or CONTINUOUS item**  
Use the **Control**  **buttons** to select the **SINGLE** or **CONTINUOUS** item, then press the **Shutter button** to confirm.



Under the **SINGLE** mode, you can choose to play both MP3 and WAV files; under the **CONTINUOUS** mode, only continuous MP3 files will be played.

## 4 Play a desired file

Under the **SINGLE** mode, highlight a desired file (MP3 or WAV file) with the **Control** buttons and then press the **Shutter button** to play.



Under the **CONTINUOUS** mode, highlight a desired file (MP3 file) with the **Control** buttons, the MP3 file will be automatically played.

<b>Play</b>		Press the <b>Shutter button</b> .
<b>Stop</b>	None	Press the <b>Shutter button</b> .
<b>Pause</b>		Press the <b>MENU/</b> button. (MP3 file only.)
<b>Continue</b>		Press the <b>MENU/</b> button. (MP3 file only.)
<b>Exit</b>	None	After stopping the file, press the <b>MENU/</b> button.

When playing MP3 file, a **volume controller** appears automatically at the bottom of the LCD display. Press the **Control + button** to increase or the **Control - button** to decrease the volume.

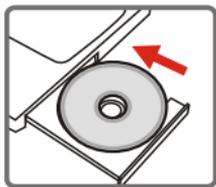


# Enjoying your Images on the Computer

## 1. Installing MP3 Cam Manager

Install **MP3 Cam Manager** before connecting your camera to your computer for the first time. Please follow the steps to complete the installation.

- 1 Turn on your computer.
  - ❗ Do not connect the USB cable to your computer at this stage.
  - ❗ Turn off other applications running on your computer.
- 2 Place the supplied CD into the CD-ROM drive.
- 3 Move the mouse to the  icon (**MP3 Cam Manager**) and click it.



### If no title appears on the screen, please follow the steps.

1. Double click the "My computer" icon.
2. Double-click the CD-ROM drive icon (**MP3 Cam Manager (E:)\***). The name of CD-ROM drive changes depending on how your computer is set up.

❗ **For Windows XP/2000 users:** Skip step 1. "Installing MP3 Cam Manager" and go to step 2. "Connecting your camera to your computer" if you do not use the functions provided in **MP3 Cam Manager**.

- 4 The "Install Shield Wizard" dialogue box is occurring and the automatic installation begins. When a window as Fig 1 appears, click "Next". Then follow the on-screen instructions to continue.

Fig 1



## Notice for Windows 2000 users

1. The "Digital Signature Not Found" dialogue box might show twice. Please simply click "Yes". The camera works well for Windows 2000.



2. Follow the on-screen instructions and click "Finish".



**!** Do not restart your computer at this step.

**5** When a window as Fig 2 appears, please click **"Yes"** or **"No"** according to your circumstance.

- If you are not a Windows XP user, or never install DirectX 8.0 or above, click **"Yes"**.
- If you are a Windows XP user, or you have already installed DirectX 8.0 or above, click **"No"**.

Fig 2

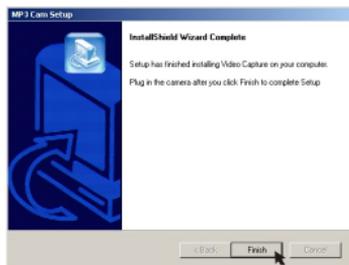


**6** When a window as Fig 3 or Fig 4 appears, please click **"OK"** or **"Finish"** to complete the installation.

Fig 3



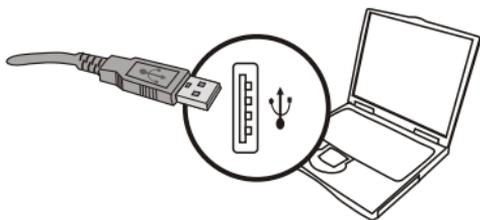
Fig 4



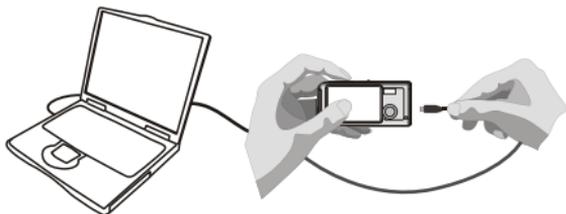
**7** The driver will be available after restarting your computer.

## 2. Connecting your camera to your computer

- 1 Turn on your computer.
- 2 Set the **Mode switch** on your camera to  or .
- 3 Insert the USB cable to the USB port on your computer.



- 4 Insert the other end of the USB cable to the USB port on your camera.



### 3. Copying pictures and movies to your computer

#### 1 ■ For Windows XP users

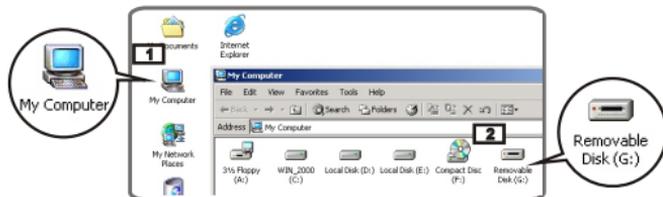
After connecting your camera with the computer, a window will automatically appear (as Fig 5). Select the "**Open folder to view files using Windows Explorer**" item and then click "**OK**".



Fig 5

#### ■ For Windows 2000/ME/98SE users

Double-click "**My computer**", then double-click the new "**Removable Disk**" icon.

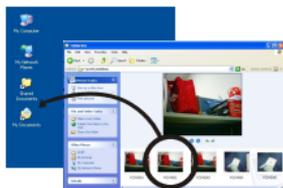


**2** Double-click the "DCIM" file folder.

**3** Double-click the "100MEDIA" file folder.

**4** Drag the picture to the "My Documents" file folder to copy your picture or movie to the computer.

■ For Windows XP users



■ For Windows 2000/ME/98SE users



## The storage positions of the pictures and movies

You can find the files of your pictures and movies as Fig 6.

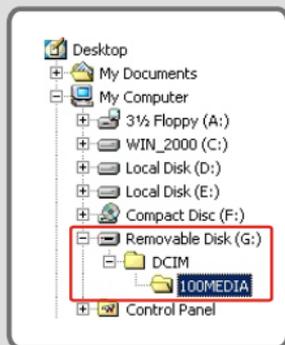


Fig 6

## 4. Viewing on your computer

1 Double-click "My Documents".

■ For Windows XP users



■ For Windows 2000/ME/98SE users



2 Select the desired file and double-click it to view.

### Notice on disconnecting the camera from the computer for Windows 2000/ME users

To disconnect your camera from the computer, please follow these steps.

1. Double-click  on the task bar.
2. Click  (USB Disk), then click "Stop".
3. Select the camera (**MP3 Cam**) on the confirmation screen and click "OK".
4. Follow the on-screen instruction to disconnect your camera from your computer correctly and safely.

# Using MP3 Cam Manager

## 1. Installing MP3 Cam Manager

You need to install **MP3 Cam Manager** to take advantage of the provided functions - images enhancement, images management and PC Camera.

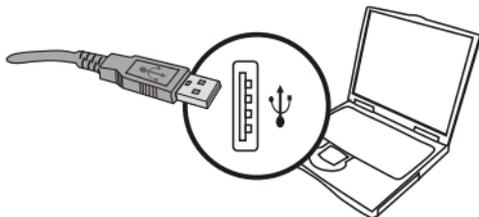


If you never install **MP3 Cam Manager**, please finish the installation first. For details, please see step 1. "Installing MP3 Cam Manager" on page 33.

If you have already installed **MP3 Cam Manager**, please go to step 2. "Connecting your camera to your computer" on the next page.

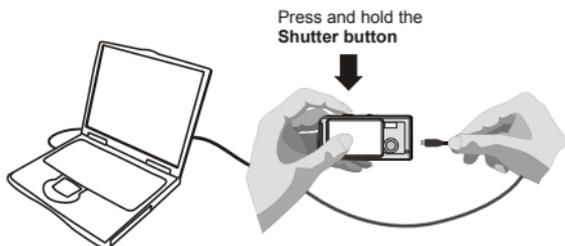
## 2. Connecting your camera to your computer

- 1 Turn on your computer.
- 2 Set the **Mode switch** on your camera to  or .
- 3 Insert the USB cable to the USB port on your computer.



- 4 Press and hold the **Shutter button** as you insert the other end of the USB cable to the USB port on your camera.

**!** Please slide the **Lens cover** on if you want to use PC Camera function.



**!** As the step. 4 above, if you do not press and hold the **Shutter button** when inserting the USB cable to your camera, PC camera function will not be available.

## Notice for Windows 2000/ME/98SE users

During the installation process for the first time, please follow the steps below.

### ■ For Windows 2000 users

The "**Digital Signature Not Found**" dialogue box might appear twice, please simply click "**Yes**". This camera works well for Windows 2000.



### ■ For Windows ME users

Please select "**Automatic search for a better driver**" when a window as Fig 7 appears.

### ■ For Windows 98SE users

Click "**Next**" when a window as Fig 8 appears.

- Select "**Search for a best driver for your device**" and click "**Next**" when a window as Fig 9 appears.
- Select the position where your Windows 98SE CD-ROM in your CD-ROM drive. Then follow the on-screen instructions to complete the installation.



Fig 7



Fig 8

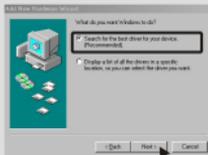


Fig 9

### 3. Starting MP3 Cam Manager

After the installation of software and hardware, you can access **MP3 Cam Manager**.

#### 1 Launch the software

Double-click the  icon on the desktop to execute the program; or click the "Start" menu and go up to "Programs", then go to the folder named "MP3 Cam Manager" and click it to launch the program.

#### 2 "Album" and "Live" mode

The windows below are interface of **MP3 Cam Manager - Album mode** (Fig 10) and **Live mode** (Fig 11). Click the switch at the top left section of the mode panel to set the mode.



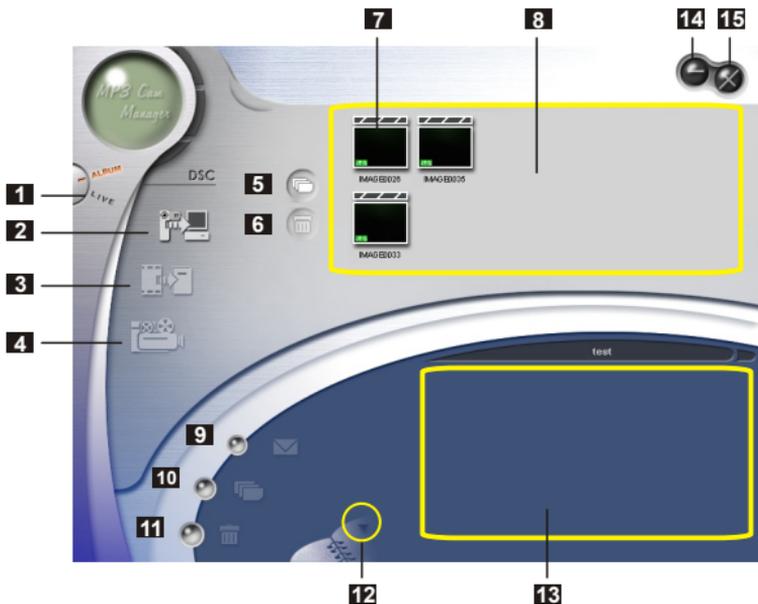
Fig 10



Fig 11

## 4. Managing images via MP3 Cam Manager

### 1 Album mode panel



- |   |   |
|---|---|
| <b>1</b> Switch to Live mode            | <b>8</b> Work area                      |
| <b>2</b> Upload images to the work area | <b>9</b> Send mail                      |
| <b>3</b> Transfer images to the album   | <b>10</b> Select all images in My Album |
| <b>4</b> Create an AVI file             | <b>11</b> Delete all images in My Album |
| <b>5</b> Select all images in work area | <b>12</b> Album manager                 |
| <b>6</b> Delete images in work area     | <b>13</b> My Album                      |
| <b>7</b> Thumbnail                      | <b>14</b> Minimize                      |
|   | <b>15</b> Exit                          |

## 2 Picture enhancement

The enhancement function enhances your images from 4 Mega to 5 Mega, 3 Mega to 4 Mega and 2 Mega to 3 Mega. The enhanced format offers higher quality, but also requires more disk space.

- 1 When launching **MP3 Cam Manager**, a dialogue box as Fig 12 will automatically pop up to ask if you want to download photos from your camera.

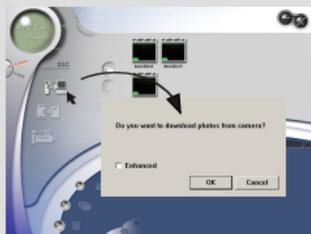


Fig 12

- 2 Select the "**Enhanced**" check box if you want to enhance your images; or skip this step if you do not need to enhance images.
- 3 Click "**OK**" to copy your pictures and movies from the camera; or click "**Cancel**" not to copy them.



Click the  icon to launch the dialog box of enhancement function when you want to enhance your images.



### 3 Viewing your images

Double-click the desired picture or movie thumbnail in the **Work area** to view it. Then a viewer window as Fig 13 (when viewing a picture) or a default media player window as Fig 14 (when viewing a movie) will appear.



#### 4 Copying your images to "My Album"

- 1 Click the  icon to transfer your pictures and movies to the **Work area**.
- 2 Click the desired image in the **Work area**.
- 3 Click the  icon to copy the image from the **Work area** to **My Album**.



## 5 Designating the album path

- 1 Click **Album manager** to create a new photo album.



- 2 Key in a new album name, then click  to designate a path where the album will be stored. Click **"Update"** to confirm. (Fig 15)

- 3 Double-click the new album item to open the newly created album. (Fig 16)

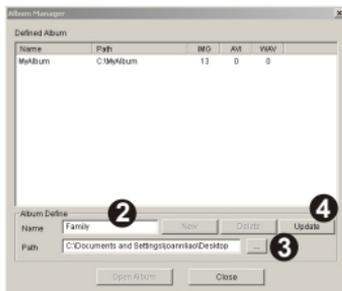


Fig 15

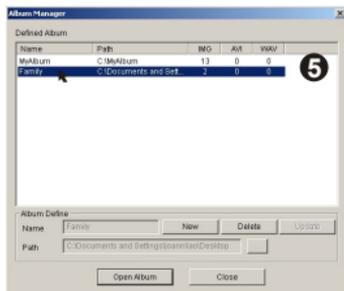


Fig 16

## 6 Creating an AVI file

- 1 Select one or more images from the **Work area**.
- 2 Click the  icon, then a **"Make AVI file"** window will appear.

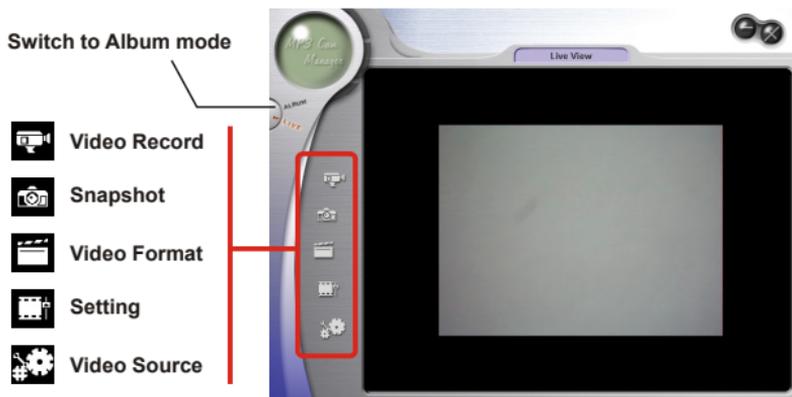


- 3 Arrange the sequence of the images and adjust the frame rate. Select the **"Compression"** check box if you want to reduce the file size. Then press **"OK"** to complete the AVI file creation.



## 5. Using PC Camera via MP3 Cam Manager

### 1 Live mode panel



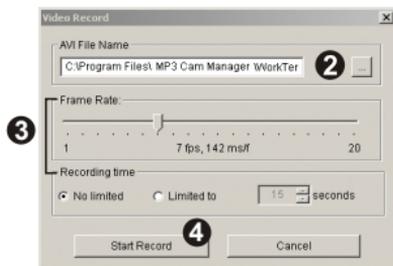
## 2 Capturing immediate images to your computer

You can use PC Camera function or run other video conferencing applications. (This manual provides information related to PC Camera function only).

- 1 Click the  icon.



- 2 Click  to designate a path where the file will be stored. Set the speed and time of the recording. Then press the **"Start Record"** button to begin recording.



- 3 Click the  icon to stop recording.

- !** Continued from the step. 2 above, as you designate the storing path, please make sure that the destination folder should have at least 500 MB of free space. Otherwise, the **"Fail to make AVI file!"** message will appear once you press the **"Start Record"** button.

### 3 Advanced settings

Click the  (Video Format) and  (Setting) icons on the Live mode panel to bring up advanced settings.

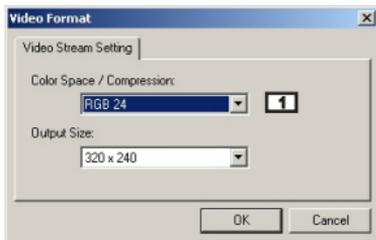
#### Format settings

##### 1 Color Space/Compression

Set one of the following functions according to your needs.

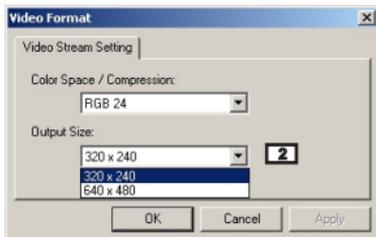
RGB 24: Better image quality.

I420: The file will be compressed to add advantage for faster-speed transformation.



##### 2 Output Size

Set output size to change the size of the preview window. The default size is 320x240. Select larger pixels when you need a larger preview window.

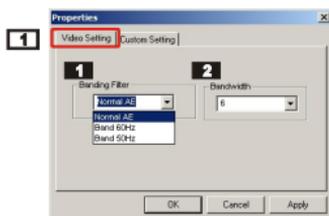


## Properties settings

### 1 Video Setting

#### 1 Banding Filter

If the screen of your computer flickers when using PC Camera function, change the "Banding Filter" item on the "Video Setting" tab to avoid noise. Select "50Hz" or "60Hz" until the screen stops flickering. If you want to restore the default setting, select "Normal AE".

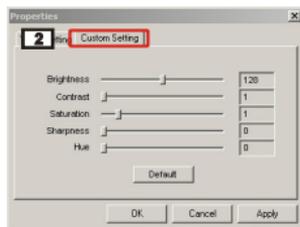


#### 2 Bandwidth

If the controller has no enough bandwidth available for the camera, set the "Bandwidth" item on the "Video Setting" tab. The smaller the bandwidth value is, the less the bandwidth is occupied. Then it will take more time to transmit images.

### 2 Custom Setting

You can use the default settings or change the settings of brightness, contrast, saturation, sharpness, and hue on your own.



# Troubleshooting

Question	Answer 
 <b>When using the camera</b>	
<b>The camera has no power.</b>	The batteries may be out of power, please change the batteries.
<b>Cannot power on my camera even though batteries are installed.</b>	<ol style="list-style-type: none"><li>1 Make sure that the batteries are installed correctly.</li><li>2 If it is idle over 3 minutes, the camera will shut down automatically, please slide the <b>Lens cover</b> to switch the camera on.</li></ol>
<b>Cannot take pictures and movies when pressing the Shutter button.</b>	<ol style="list-style-type: none"><li>1 Make sure that the <b>Lens cover</b> is open.</li><li>2 The storage is full. Please free some space of the SD/MMC card or flash memory.</li><li>3 Check if the camera is under the status of charging batteries.</li><li>4 Check if the SD/MMC card is set to "protected".</li><li>5 If the "<b>MEMORY ERROR</b>" or "<b>CARD ERROR</b>" message shows on the LCD display, please set the camera to the Setting mode and format the storage media.</li></ol>
<b>I did not delete the picture and movie, but cannot find the data in the SD/MMC card.</b>	Check if your files are stored in the camera's built-in memory. If there is a  or  icon at the top right section on the LCD display, it means you are using the camera with a SD/MMC card. Please remove the card to find the data in the flash memory. (For details, see the "Removing the card" section on page 6)
<b>Cannot set the strobe to the "Auto" mode.</b>	Charging the flash strobe requires more power of batteries. When the battery is under the status of low power, the strobe <b>Auto</b> cannot be set. Please change the batteries.

<p><b>The image is too blurred.</b></p>	<ul style="list-style-type: none"> <li>❶ Adjust the focus.</li> <li>❷ Keep the camera steady with pressing the <b>Shutter button</b> while taking pictures.</li> </ul>
<p><b>The image is too dark.</b></p>	<p>You may need to take pictures or movies in the place with adequate light or use the flash strobe.</p>
<p><b>Sound playback is not available when viewing the movie on the LCD display.</b></p>	<p>This situation is normal. If you want the movie with sound playback, please use the earphone or copy the movie to your computer and view it on the computer.</p>
<p><b>Noise occurs on my camera when viewing the image on the LCD display or on the computer.</b></p>	<p>Set the filter matching the place you are staying. Please refer to the "More on flicker" section on page 57.</p>
<p> <b>When connecting the camera to your computer</b></p>	
<p><b>The driver installation failed.</b></p>	<ul style="list-style-type: none"> <li>❶ Please remove the driver and other related programs. Follow the installation steps in this manual to reinstall.</li> <li>❷ Install the driver before inserting the USB cable.</li> </ul>
<p><b>A conflict with other installed camera or capture device.</b></p>	<p>If you have any other camera or capture device, completely remove the camera and its driver from the computer to avoid a driver conflict.</p>
<p><b>The movie cannot be played on my computer.</b></p>	<p>Please install DirectX 8.0 or above. (See the "Installing MP3 Cam Manager" section on page 33 or download DirectX 8.0 and get more information on Microsoft website.)</p>
<p><b>Noise occurs on my computer when using video conferencing.</b></p>	<p>Set the filter matching the place you are staying. Please refer to the "Banding Filter" section on page 53.</p>

## Other Information

### 1. Battery life

<b>Condition \ Number</b>	<b>Number of images</b>	<b>Battery life (minutes)</b>
Taking Still Pictures 2048x1536 (without flash strobe)	360	30

\*Data above is for using rechargeable 750 mAH batteries and in 25 °C, with pictures taken every five seconds.

- Notes:
1. The table above is for reference only.
  2. Life of battery will be shorten in the following conditions.
    - (1) Taking snapshot at low temperature.
    - (2) Switching on/off power repeatedly.
    - (3) Using the flash strobe frequently.

### 2. LED indicator events

Condition		Meanings
LED indicator	Steady	Ready (waiting for command)
	Flashing	Busy (mode change, storage, capture, flash charge and data transformation)
Self-Timer lamp	Regularly	Counting
	Rapidly	Capturing the picture

**I** Never eject the card or remove the batteries while the LED indicator is lit up red.

### 3. Storage capacity

Memory	Still picture			Movie
	2304x1728	2048x1536	1600x1200	Maximum recording time
Flash memory (16MB)	15	20	30	2
SD/MMC card (32MB)	30	40	60	4
SD/MMC card (64MB)	60	80	120	8
SD/MMC card (128MB)	120	160	240	16
SD/MMC card (256MB)	240	320	480	32
SD/MMC card (512MB)	480	640	960	64

Notes: 1. Actual number of pictures stored may vary (up to  $\pm 30\%$ ) depending on the resolution and color saturation.

2. The table above is for reference only.

### 4. More on flicker

The default flicker setting of your camera depends on your country. When using the camera abroad, please refer to the table below to match the flicker setting with the place you go.

Country	England	Germany	France	Italy	Spain	Netherlands
Setting	50Hz	50Hz	60Hz	50Hz	50Hz	50Hz
Country	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

## 5. Specifications

Hardware resolution	2304x1728 (4.1 Mega pixels)
Sensor effective resolution	2048x1536 (3.1 Mega pixels)
Internal memory	Built-in 16 MB SDRAM (buffer) 16 MB flash memory (storage)
External memory	Built-in SD/MMC slot (maximum: 512 MB)
Digital still camera	JPEG Format 2304x1728 (4.1 Mega pixels); 2048x1536 (3.1 Mega pixels); 1600x1200 (2 Mega pixels)
Digital video camcorder	Motion JPEG (AVI) Format QVGA (320x240 pixels) / up to 20 fps
Video conferencing	VGA (640x480 pixels) / up to 10 fps QVGA (320x240 pixels) / up to 20 fps
LCD display	1.5" Color TFT LCD
Digital zoom	4x (for still pictures); 2x (for playback view)
Exposure	Auto
Smart key	Auto/ Sunny/ Cloudy/ Fluorescent/ Tungsten (five modes for white balance); black and white (for effect)
Lens	F=2.8
Self Timer	10 seconds
Interface	USB 1.1 (USB 2.0 compatible)
Power saving	Auto power-off if idle for over 3 minutes Auto suspend if idle for over 1 minute
Built-in flash strobe	Yes
Built-in microphone	Yes
Multimedia	MP3 player
Battery	AAAx2 (Rechargeable Ni-MH batteries recommended)
Dimension	88x34x43 mm

