FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules. Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.
**Warnings**

- Do not use this camera if it is emitting smoke, becomes unusually hot to be touched, emitting any unusual odor or noise, or if it is in any other abnormal states. Operating the camera in any of these situations may cause a fire or an electrical shock. Stop using the camera immediately, turn the camera off, and then disconnect the power source (batteries or AC power adapter). (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) After checking that smoke is no longer being emitted, contact your dealer or your local authorized service facility and request repairs. Never attempt to repair this camera yourself as this is dangerous.

- Do not use the camera if any water has entered the camera. Turn the camera off, and then disconnect the power source (batteries or AC power adapter). (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Then contact your dealer or your local authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

- Do not use the camera if any foreign objects have entered the camera. Turn the camera off, and then disconnect the power source (batteries or AC power adapter). (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Then contact your dealer or your local authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

- If the camera has been dropped or if the camera case has been damaged, turn the camera off, and then disconnect the power source (batteries or AC power adapter). (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Then contact your dealer or your local authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

- Do not place the camera in any unstable locations such as on a wobbly table or sloping surface where the camera may fall or tip over and cause injury.

- Do not expose the camera to moisture and make sure that there is no water getting into the camera. Take particular care when using the camera under extreme weather conditions such as rain or snow, or when operating the camera at the beach on near water. Water in the camera may cause a fire or an electrical shock.
Do not insert or drop metallic or inflammable foreign objects into the camera through access points such as the Compact Flash card slot. This may cause a fire or an electrical shock.

Do not attempt to modify this camera. This may cause a fire or an electrical shock.

Do not remove the camera casing. This may cause an electrical shock. Internal inspection, maintenance and repairs should only be carried out by your dealer or local authorized service facility.

Avoid using this camera in the bathrooms. Exposure to excessive moisture may cause a fire or an electrical shock.

Do not touch the power plug during a thunderstorm if you are using the AC power adapter. This may cause an electrical shock.

Never operate this camera in any way while driving a vehicle. This may cause a traffic accident.

Cautions

Do not place this camera in damp or dusty locations. This may cause a fire or an electrical shock.

Do not place this camera in a location affected by oil fumes or steam, such as near a cooking stove or humidifier. This may cause a fire or an electrical shock.

Do not leave this camera in a location subject to extremely high temperatures, such as in a sealed vehicle or in direct sunlight.

Exposure to high temperatures may adversely affect the camera case and internal components and may cause a fire.

Do not cover or wrap the camera or the AC power adapter with a cloth or quilt. This may cause heat to build up and distort the case and cause a fire. Always use the camera and its accessories in well-ventilated locations.

Handle the camera carefully and do not bump the camera into any hard object. Handling the camera roughly may cause a malfunction.

Do not move the camera while it is switched on. (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have switched off the camera.) Ensure that any connector cords or cables to other devices are disconnected before moving the camera. Failure to do so may damage the cords or cables and cause a fire or an electrical shock.
When handing the camera, always unplug it from the power source (batteries or AC power adapter) for safety. (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Failure to do so may result in an electrical shock.

When leaving the camera unused for long periods, such as during a vacation, always unplug the camera from the power source (batteries or AC power adapter) for safety. (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Failure to do so could result in a fire.

Do not use batteries other than those specified for use with your camera. The use of unsuitable batteries may result in the batteries splitting or leaking and causing a fire, injury, or soiling of the battery compartment.

When fitting batteries into the camera, check the polarity markings on the battery (- and +) to ensure that you insert the battery correctly. Incorrect battery polarity may result in the batteries splitting or leaking and causing a fire, injury, or soiling of the battery compartment.

Remove the batteries if the camera will not be used for an extended period of time. The batteries may leak and cause a fire, injury or soiling of the battery compartment. If the batteries leak, clean and wipe the battery compartment carefully and install new batteries. Wash your hands carefully if you touch the battery fluid.
Quick Start

1. Taking Pictures ® Refer to page 10

Switch the Mode Dial to Record→use the Viewfinder or LCD Monitor to frame the image→press and hold the Shutter button down halfway until the focus is locked→press the Shutter button down fully

2. Playing Back Images ® Refer to page 16

Switch the Mode Dial to Play→select the image you are searching by the Arrow buttons(▲/▼)
3. Erasing Images → Refer to page 19

Switch the Mode Dial to Delete → select Delete Current → press the OK button → select the image you want to delete by the Arrow buttons (↑/↓) → press the OK button to confirm

4. Transferring Images to Your Computer → Refer to page 37

You can copy images onto your computer and view and modify images using the supplied USB cable and application software. Perform the steps below:

**PC:** Install the camera driver (for Win98) → connect one end of the USB cable to your computer → connect the other end of the USB cable to the USB port on your camera → power on your camera → switch the Mode Dial to Computer → double-click the removable disk in My Computer → start transferring images to your computer

**Mac:** Install the camera driver → connect one end of the USB cable to your computer → connect the other end of the USB cable to the USB port on your camera → power on your camera → switch the Mode Dial to Computer → double-click the removable disk in Desktop → start transferring images to your computer
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Introduction

Package Contents

What’s Inside?

- Digital Camera
- USB Cable
- Video Cable
- Software CD-ROM
- Instruction Manual
- Camera Pouch & Strap

Optional Accessories

- CompactFlash™ Memory Card-4MB, 8MB, 16MB, 32MB, 48MB, 64MB, 96MB, and 128MB
- 4xAA Alkaline Batteries
- AC Power Adapter
Using This Camera in Your Daily Life

- **Camera**
  - USB: Editing images on a computer, Recording images onto CD
  - DPOF: Printing images
  - CF: Viewing images on TV
  - NTSC/PAL
Using This Camera in Your Daily Life

- Creation of a digital photo album
- Inserting images directly into any electronic document
- Taking a self-portrait and using the image to personalize name cards
Getting to Know Your Camera

Identifying the Parts

Front View

- Power Button
- Status LCD
- Flash Mode Button
- Resolution/Quality Button
- Mode Dial
- Viewfinder Window
- Flash
- Self-timer LED
- Jack Cover
- Lens
- Menu Button
- Shutter Button
Terminals

- USB Port
- Video Port
- DC IN Port
Mode Dial

Status LCD

Flash Mode Indicator
- Auto
- Red-eye Reduction
- Forced Flash
- Off

Macro Photography Indicator
Telephoto Photography Indicator

Battery Power Indicator
Self-timer Indicator

Resolution Indicator
Computer Mode Indicator

Image Quality Indicator
- Super Fine
- Fine
- Normal

Digital Indicator
Getting Started

Attaching the Strap

1. Insert the thin end of the strap into the strap holder.
2. Pass the other end of the strap through the loop of thin cord and pull the strap tight.

Installing the Batteries

1. Slide the battery cover in the direction indicated by the arrow.
2. Insert 4 batteries with the correct polarity as shown on the inner side of the battery cover.
3. Close the battery cover.
Using the AC Adapter

1. Open the connectors cover and connect one end of the power adapter to the DC 6V IN port as illustrated.
2. Connect the other end of the power adapter to a power outlet.

*Note: Use only the specified batteries or AC power adapter bundled with this camera. The use of other power sources may cause a fire.*

Loading the CompactFlash™ Card

To record images, please insert a CompactFlash™ (CF) card in your digital camera. To load the CF card, perform the following:

1. Open the CF card slot cover and then inserts a CF card as indicated by the arrow.
2. Close the CF card slot cover.
Basic Photography

Taking Pictures

*Note: If there is no internal memory built in your camera, you have to insert a CF card first before taking pictures.*

Using the Viewfinder

To record an image, perform the following:
1. Power on the camera.
2. Set the **Mode Dial** to **Record**.
3. Use the **Viewfinder** window to frame the image.
4. Press and hold the **Shutter** button down half way to focus the objects automatically.
5. Press the **Shutter** button down fully. (Pictures can only be taken until the focus is locked.)
Using the LCD Monitor
1. Power on the camera.
2. Set the Mode Dial to Record.
3. Press the Display button to turn on the LCD Monitor for usage. Use the LCD Monitor to frame the image.
4. Press and hold the Shutter button down half way to focus the objects automatically.
5. Press the Shutter button down fully. (Pictures can only be taken until the focus is locked.)

Digital Zoom
To record a zoom image, perform the following:
1. Set the Mode Dial to Record.
2. Press the Display button to turn on the LCD Monitor.
3. Press the OK button (Zoom button) to activate 2X digital zoom function.
4. Press and hold the Shutter button down half way to focus the objects automatically.
5. Press the Shutter button down fully. (Pictures can only be taken until the focus is locked.)

Note: Digital Zoom is only available at the resolution of 1600x1200 pixels.
Using the Self-timer

The Self-timer can only be set under Record mode. To use the Self-Timer function, perform the following:

1. Press the Self-Timer button to activate the Self-timer.
2. Press and hold the Shutter button down half way to focus the objects automatically.
3. Press the Shutter button down fully. After 10 seconds, the camera takes a picture.
   (Pictures can only be taken until the focus is locked.)

**Note:** The Self-timer is designed to count down for 10 seconds. In the first 7 seconds, the indicator blinks at a rate relatively slow and then blinks rapidly for the last 3 seconds.

Setting the Focus (Auto, Macro or Infinity Mode)

Normally, this camera can focus the objects automatically when taking pictures. However, this camera provides additional 2 focus modes to meet your needs. Refer to the table below to choose and set the appropriate focus mode before taking pictures.
Press the **Menu** button in **Record** Mode the **Record** menu appears. Select the **Focus** item and use the **Arrow** buttons(▲/▼) to select **Auto**, **Macro** or **Infinity** mode for taking pictures.

### Setting the Image Resolution and Quality

This camera provides 6 different image resolution & quality combination settings:

- 1600x1200 pixels resolution with Super Fine (★★★★), Fine (★★), Normal (★) quality.
- 800x600 pixels resolution with Super Fine (★★★★), Fine (★★), Normal (★) quality.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Focus Range (Meter)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>0.2~∞</td>
<td>For a normal shot</td>
</tr>
<tr>
<td>Macro</td>
<td>0.2~0.6</td>
<td>For a close-up shot</td>
</tr>
<tr>
<td>Infinity</td>
<td>0.6~∞</td>
<td>For a long distance shot</td>
</tr>
</tbody>
</table>
To change the resolution & quality setting, perform the following:
1. Power on the camera.
2. Set the Mode Dial to Record.
3. Press the Resolution & Quality button to toggle the selection.

**Resolution Indicator**
- In **Record** mode: Shows the current image resolution setting.
- In **Play** mode: Shows the captured image resolution setting.

**Image Quality Indicator**
- In **Record** mode: Shows the current image quality setting.
- In **Play** mode: Shows the captured image quality setting.

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Quality</th>
<th>Compression Ratio</th>
<th>Estimated Pictures (8MB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600x1200</td>
<td>★★★</td>
<td>8:1</td>
<td>10</td>
</tr>
<tr>
<td>1600x1200</td>
<td>★★★</td>
<td>12:1</td>
<td>16</td>
</tr>
<tr>
<td>1600x1200</td>
<td>★★★</td>
<td>16:1</td>
<td>21</td>
</tr>
<tr>
<td>800x600</td>
<td>★★★</td>
<td>8:1</td>
<td>43</td>
</tr>
<tr>
<td>800x600</td>
<td>★★★</td>
<td>12:1</td>
<td>64</td>
</tr>
<tr>
<td>800x600</td>
<td>★★★</td>
<td>16:1</td>
<td>86</td>
</tr>
</tbody>
</table>
Using the Flash

The Flash mode can only be set under Record mode. There are 4 modes available: Auto, Red-Eye Reduction, Forced Flash and Off. The default setting is Auto. To change the setting, press the Flash button a number of times until the desired one is selected.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>Flash is enabled automatically in low light conditions</td>
</tr>
<tr>
<td>Red-Eye Reduction</td>
<td>Auto mode with pre-flash to reduce red eye effect</td>
</tr>
<tr>
<td>Forced Flash</td>
<td>Flash is always enabled</td>
</tr>
<tr>
<td>Off</td>
<td>Flash is always disabled</td>
</tr>
</tbody>
</table>
Playing Back Images

*Note: To playback the image recorded in the CF card, make sure the card is inserted. To playback the images recorded in the camera, make sure the CF card is ejected.*

You can review the recorded images either on the **LCD Monitor** or on a TV. To playback images, perform the following:

**On the LCD Monitor**

1. Power on the camera.
2. Set the **Mode Dial** to **Play** mode.
3. The last image recorded appears.
4. Use the **Arrow** buttons (↑/↓) to forward/backward through the recorded images.
Viewing Image Information and Thumbnails

General information is also recorded at the same time as image captured. In **Play mode**, **Display button** acts as a switch to cycle through image information on, thumbnail display and image information off.

1. Set the camera to **Play mode**.
2. Press the **Display button** to bring up the information over the image displayed.
3. Press the **Display button** again to show thumbnail images.
4. Use the **Arrow buttons** to quickly locate the image you are searching, and then press the **OK** or **Display button** to preview it at full screen.

Examining Image Details

Sometimes you may want the images to be enlarged on the **LCD Monitor** to have carefully examined. In **Play mode**, **OK button** (**Zoom button**) provides this feature and acts as a magnifier to cycle through 2X, 4X, 1X.

1. Set the camera to **Play mode**.
2. Press the **OK button** once to magnify the image at 2X.
3. Press the **OK button** again to magnify the image at 4X.
4. Use the **Arrow buttons** to navigate the image magnified in a sequent of ”Z” type.
On the TV

1. Set the appropriate video output mode corresponding to your TV standard. (Refer to P.32 Video Mode section for more information.)
2. Connect one end of the video cable to the Video port of your camera.
3. Connect the other end of the cable to the Video port of your television.
4. Turn on the camera and the TV.
5. Set the camera to Play mode.
6. Use the Arrow buttons(▲/▼) to forward/backward through the recorded images.
Erasing Images

Note: To delete the images recorded in the CF card, make sure to insert the card before deletion. To delete the images recorded in the camera (internal memory), do not insert any CF card or the camera will not be able to read the internal data with an external memory card attached.

1. Set the Mode Dial to Delete, the Delete menu appears.
2. Use the Arrow buttons(▲/▼) to select Delete Current or Delete All.

Delete Current

1. To delete the image currently captured, select Delete Current and press the OK button.
2. Use the Arrow buttons(▲/▼) to select the images you want to delete and press the OK button.
3. Repeat the step 2 to delete the images one after another.
Delete All

1. To delete all the images being captured, select **Delete All** and press the **OK** button to confirm.
2. The “Are you sure?” message displays on the screen.
3. Select **Yes** to confirm or **No** to return to the **Delete** menu.

**Note:** You can browse the recorded images on the LCD Monitor or on a TV.

**Note:** If there is no image stored in the memory a “No Images” message pops up. To exit this message, switch to any other camera mode.
Camera Mode Dial

Record Mode

Set the Mode Dial to Record for image capturing. Press the Menu button in Record mode, the Record menu appears.

The menu contains the following items:

Focus

The Focus item includes 3 different modes for taking pictures.

The Auto mode (default setting) is used for a normal shot. The Macro mode is used when the distance to the subject is between 0.2–0.6M. Do not use the macro mode for subjects outside of this range. To record small objects, like flowers or insects, you can use macro mode. The Infinity mode is used to record landscapes and distant objects. It can also be used for compositions.
combining both near and distant objects.

**Note: The setting is reset to Auto if the camera power is off.**

**LCD Brightness**

Changes the brightness setting (-5 ~ +5, Interval =1) of the LCD display.

Press the **OK** button to select this item. The cursor skips to the data field as the **OK** button being pressed. Use the **Arrow** buttons(▲/▼) to increase/decrease the LCD brightness. Press the **OK** button again to make the change. The cursor returns to the **Record** menu automatically when the change is made.

**Note: The setting is conserved even if the camera power is off.**

**Quickview**

If the **LCD Monitor** is on and Quickview mode is enabled, a preview of the captured image is shown on the **LCD Monitor** as soon as the image acquired. When the 3 seconds are over, the **LCD Monitor** will return to **Record** mode with LCD on.
If the **LCD Monitor** is off but Quickview mode is enabled, a preview of the captured image is temporarily shown on the **LCD Monitor** for 3 seconds as soon as the image acquired. After the 3 seconds are over, the **LCD Monitor** will be automatically turned off.

During these 3 seconds of preview in either case, the user will have the option, by means of an on-screen prompt; of deleting the image just captured by pressing the **OK** button once processing is completed.

**Note:** Using the LCD Monitor while taking pictures shortens the life span of your batteries. To save battery power you can take pictures without the LCD Monitor. Simply turn off the LCD Monitor and use the Optical Viewfinder to frame the image as you would with a traditional camera.

Select the item by the **Arrow** buttons(▲/▼) and then press the **OK** button to confirm. The cursor skips to the data field as the **OK** button being pressed. Use the **Arrow** buttons(▲/▼) to select the desired setting. The cursor returns to the **Record** menu automatically when the change is made.

**Note:** The setting is conserved even if the camera power is off.
White Balance

Select either one of the 5 (Auto, Sun, Shade, Fluorescent, Tungsten) white balance settings. The Auto white balance is recommended for most cases. For certain critical circumstances, if the result did not come out as expected, you may manually change to another white balance type according to the ambient lighting condition.

Select the item by the Arrow buttons(↑/↓) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(↑/↓) to select the desired white balance type. Press the OK button again to make the change. The cursor returns to the Record menu automatically when the change is made.

Reference:

The approximate color temperature of the 4 above white balance settings (except Auto white balance) will be Sun = 5500K, Shade = 6000K, Fluorescent = 4000K and Tungsten = 2850K.

Note: The setting is reset to AUTO when the camera power is off.
EV Compensation

Adjusts the exposure compensation over a range of -1.8 to +1.8 EV in steps of 0.3 EV.

Select the item by the Arrow buttons(▲/▼) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(▲/▼) to increase/decrease the EV compensation value (-1.8 ~ +1.8). Press the OK button again to make the change. The cursor returns to the Record menu automatically when the change is made.

*Note: This setting is reset to 0.0 when the camera power is off.*
Play Mode

In Play mode, users can review the recorded images on the LCD Monitor or on a TV. Set the Mode Dial to Play for image review. Press the Menu button in Play mode, the Play menu appears.

The menu contains the following items:

LCD Brightness

Changes the brightness setting (-5 ~ +5, Interval = 1) of the LCD Monitor. Press the OK button to select this item. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(△/▼) to increase/decrease the LCD brightness. Press the OK button again to make the change. The cursor returns to the Record menu automatically when the change is made.

Note: The setting is conserved even if the camera power is off.
Slide Show

Displays the recorded images sequentially, with a user-defined delay between images.

Select the item by the Arrow buttons(▲/▼) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(▲/▼) to increase/decrease the delay between 2 to 10 seconds with interval 2. Press the OK button again to make the change. The slide show starts.

Press the Display[□]/Menu[≡]/OK buttons to interrupt the display while a slide show is playing, or switch the Mode Dial to other modes to exit.

Copy to CF Card

Copy the recorded images to the external CF card.

Select the item by the Arrow buttons(▲/▼) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(▲/▼) to toggle the Yes or No option. Then press OK button to confirm.
DPOF (Digital Print Order Format)

If you select the DPOF item, all your settings will save in the CF card. Therefore, the printer will print directly as your setting, after you insert the CF card into a printer.

DPOF User Interface

You can use Shutter or Menu button to setup DPOF, procedures are showed as following:

A. Use Shutter button in Play Mode:
   1. Set the Mode Dial to Play, then the last image appears.
   2. Press the Shutter button to toggle the DPOF print tag setting of the selected image.

   Note: The default setting is size=Standard and quantity=1, when using the Shutter button to enable the DPOF print tag.

B. Use Menu button in Play Menu:
   1. Set the Mode Dial to Play, then the last image appears.
   2. Use the Arrow buttons(▲/▼) to select the image you want for DPOF setting.
   3. Press the Menu button, the Play menu appears.
4. Use the Arrow buttons(△/▽) to select DPOF item, then press OK button to confirm.
5. DPOF submenu will be showed, and there are 4 items in this submenu, including Print Quantity, Print Size, Print Index, and Print Enable. Use Arrow buttons(△/▽) to select one of 4 items, then press OK button to confirm.

- If you select Print Quantity, use the Arrow buttons(△/▽) to make change, and then press OK to confirm and return to the DPOF submenu. You can set the print quantity from 1 to 9.
- If you select Print Size, use the Arrow buttons(△/▽) to make change, and then press OK to confirm and return to the DPOF submenu. You can set the print size from Print STD, 3x5, 4x6, 5x7, 8x10. (inch)
- If you select Print Index, use the Arrow buttons(△/▽) to toggle On or Off, and then press OK to confirm and return to the DPOF submenu. You can select to print photo index or not.
- If you select Print Enable, use Arrow buttons(△/▽) to toggle Enable or Disable. If you select Enable and press OK button to confirm, the camera will save the setting and returns to Play menu. If you select Disable and press OK button to confirm, the camera will erase this image’s DPOF setting and returns to Play menu.

Note: If your printer only supports DPOF version 1.0, you must set Print STD for the Print Size option.

Note: DPOF function can only be operated with CF card inserted.
Setup Mode

In Setup mode, users can customize their own preferences according to the actual requirements. Switch the Mode Dial to Setup, the Setup menu appears. The menu contains the following items:

Date/Time
Displays the date and time information.

When the camera is used for the first time or the batteries are replaced, you may need to have the correct date/time set.

Select Date/Time item and press the OK button. The Date/Time submenu displays on the screen. Use the Arrow buttons(▲/▼) to set the value for Year, Month, Day and Time and press the OK button to confirm. When the last item is selected/changed, press the OK button to return to the Setup menu.
Language

Sets the OSD menu language.

There are 8 languages available for your selection. They are English, French, German, Spanish, Portuguese, Japanese, Traditional Chinese and Simplified Chinese.

Select Language item and press the OK button. The Language submenu displays on the screen. Use the Arrow buttons(\text{\textup{\textasciicircum}/\texttextasciicircum}) to select the desired language setting (default=English). Press the OK button again to make the change. The cursor returns to the Setup menu automatically when the change is made.

\textit{Note: The setting is conserved even if the camera power is off.}

Sound

Enables/disables the sound effects.

You may choose either to turn On or Off (default=On) the sound effects while pressing a button. Select the item by the Arrow buttons(\text{\textup{\textasciicircum}/\texttextasciicircum}) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the
Arrow buttons(▲/▼) to toggle the selection. Press the OK button again to make the change. The cursor returns to the Setup menu automatically when the change is made.

*Note: The setting is conserved even if the camera power is off.*

**Format Media**

Formats the CompactFlash™ card and internal memory.

Select the item by the Arrow buttons(▲/▼) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(▲/▼) to toggle the selection. Select Yes and press the OK button to re-format the CF card and returns to the Setup menu. Select No and press the OK button to cancel and return to the Setup menu without any change.

**Video Mode**

Sets video output type. The camera provides 2 different video output type for your selection: NTSC and PAL. Select the correct video type for the connected device (e.g. NTSC TV or PAL TV).
Auto Power Off

If no operation is carried out for a fixed amount of time, power consumption is set to its minimum state to prevent battery wear. This is called the **Auto Power Off** mode.

The camera provides 4 different auto power off time for your selection: **3 Min (default), 5 Min, 10 Min, 30 Min**

Select **Auto Power Off** by the **Arrow** button(▲/▼) and then press the **OK** button to confirm. The cursor skips to data field as the **OK** button being pressed. Use the **Arrow** buttons(▲/▼) to select the desired time. Press the **OK** button again to make the change. The cursor returns to the **Setup** menu automatically when the change is made.
Reset to Default

Returns all the camera settings to the factory default settings.

Select the item by the Arrow buttons(✓/☐) and then press the OK button to confirm. The cursor skips to the data field as the OK button being pressed. Use the Arrow buttons(✓/☐) to toggle the selection. Select Yes and press the OK button to make the change and returns to the Setup menu. Select No, and then press the OK button to cancel and return to the Setup menu without any change.

Image Resolution = 1600x1200
Image Quality = Super Fine
White Balance = Auto
Flash = Auto
Quick View = Off
Focus = Auto
LCD Brightness = 0
EV Compensation = 0.0
Slide Show Delay = 4 seconds
Sound = On
Delete Mode

In Delete mode, users can delete all the recorded images at a time or just delete one after another. Switch the Mode Dial to Delete, the Delete menu appears.

The menu contains the following items:

Note: To delete the images recorded in the CF card, make sure to insert the card before deletion.

To delete the images recorded in the camera (internal memory), do not insert any CF card or the camera will not be able to read the internal data with an external memory card attached.
Delete Current
1. Select Delete Current and press the OK button. The last image taken or the image currently being viewed in Play mode will be shown.
2. Press the OK button to delete the image.
3. The message appears, use the Arrow buttons(▲/▼) to select the next image you want to delete.
4. Repeat step 2 to delete the images one by one.
5. To return to the Delete menu, switch the Mode Dial to other mode.

Note: “No Image” is displayed after all the images are erased.

Delete All
1. Use the Arrow buttons(▲/▼) to select Delete All, then press the OK button to confirm your selection.

Note: “No Image” is displayed after all the images are erased.

Computer Mode
Images can only be transferred to a computer via USB in this mode. There are no menus associated with this mode, and no buttons are active in this mode.
Transferring Images to Computer

Before transferring the images, please read the following guideline carefully.

**System Requirements**

- Pentium 166 MHz processor or higher
- Windows 98/Me/2000
- PowerPC G3/G4
- Mac OS 8.6 or later
- An available USB port
- At least 32 MB RAM
- 80 MB available hard disk space
- A CD-ROM drive
- Color monitor (800x600 24-bit or higher recommended)
- Microsoft Internet Explorer 4.0 or higher
Installing the Software for PC

For Users of Windows 98

If you are planning to transfer your images into a Windows98-based computer, make sure to complete the camera driver installation before the camera connection. The steps are as below:
1. Insert the software CD-ROM disc into your CD-ROM drive.
2. The setup program starts. Follow the on screen instructions to complete the camera driver installation.
3. Restart the computer (recommended).

For Users of Windows 2000/ME

Windows 2000/ME supports the camera in all aspects; you don’t even have to install the driver yourself. Go ahead for the camera connection directly.

Note: This camera complies with “Mass Storage Class.” With Windows ME/2000 preinstalled, this camera can be recognized as a removable disk in your system once this camera is connected to your computer with USB cable.
Downloading Images

1. Plug one end of USB to computer.
2. Power on the camera.
3. Switch the Mode Dial to Computer mode.
4. Plug the other end of USB to the camera.
5. Double-click My Computer icon on the desktop and find the Removable Disk.
6. Drag and drop the images in the removable disk mentioned above to the folder in your hard disk.
7. Once the copy process has been completed, the images then successfully have downloaded from the camera to your computer.

Editing Images

Using MGI PhotoSuite

MGI PhotoSuite is a very user-friendly image-editing program. With PhotoSuite, you can breezily retouch, compose and organize your images in just seconds. It contains a variety of templates, such as photo frames, birthday cards, calendars and other fun stuffs. Get your images ready and go explore this amazing program.

To use the program, follow the steps below:
1. Launch MGI PhotoSuite.

2. Click the large **Get** button on the welcome screen, or the **Get** button on the navigation bar.

3. Choose a photo source (e.g. **Computer**) and click the **Open** button. (See below)
4. Now you are able to process your images with all the tools provided by PhotoSuite.

**Using MGI PhotoVista**

MGI PhotoVista is an easy-to-use program that lets you create spectacular 360° panoramic images in a snap. When you view these panoramas, you get the experience of being totally immersed in a realistic environment. PhotoVista’s powerful engine quickly and automatically stitches images together, and its intuitive interface will let even a novice get great results in minutes.
To use the program, follow the steps below:

1. **Open Source Images in MGI PhotoVista**
   MGI PhotoVista requires some overlap of source images to properly align them before a stitch. For best results, use a 20% to 50% overlap. The number of photos you need to shoot to achieve this overlap depends on the lens type you’re using.

2. **Select the Lens**
   Click the Select Lens icon. The Select Lens dialog box appears. Select the proper lens type.
3. **Preview the Stitch**
   Click the **Stitch Panorama** icon. The **Stitch Options** dialog box appears. Click **Preview Stitch** button.

4. **View the Panorama In Action**
   Choose **Show Viewer** from the **Panorama** menu. The **Stitch Preview** window changes to viewer mode. Press and drag the pointer over the panorama vertically and horizontally. Press **SHIFT** to zoom in or press **CTRL** to zoom out. Close the viewer window when you’re done to return to the preview stitch.
5. **Create a Full Stitch**
   Click the **Stitch Panorama** icon. The **Stitch Options** dialog box appears. Click **Full Stitch** button. The **Stitch Progress** dialog box displays the progress of the stitch. Follow the procedure in Step 4 to view the panorama in action.

6. **Save a Panorama**
   After Step 5, you can save the panorama from the **Stitched Result** window as a BMP, Flashpix (FPX), or JPEG file. MGI PhotoVista also automatically creates an IVR file for you, which you use to play the panorama.
Installing the Camera Driver for Mac

1. Insert CD-ROM.
   Click the Digital Camera Driver Installer and Camera Driver Installation for Mac will start.

2. Select Install Location and click Install.

3. Click Cancel and installation will be cancelled.
   Click Continue and the installation will progress.

4. Installation is successful.
   Click Continue for additional installation.
   Click Restart to restart the computer.

5. After restarting computer, a new folder will be made automatically on the desktop when you connect camera to Mac.
Additional Information

Parts Names and Functions

Viewfinder Window
The optical Viewfinder is the real-image type with 85+5% or 85-5% alignment tolerance.

LCD Monitor
When you are about to take a picture, you may use the LCD Monitor to frame the image. Press the Display button to turn on/off the LCD Monitor.

Display Button
The LCD button is only active in Record and Play modes. While in Record mode, press the Display button will toggle the LCD Monitor on and off. In Play mode, press the Display button to review the images in the following 3 modes:

1. Single image display
2. Single image display with image information overlay
3. Multi-image (3x3 thumbnail) display
Menu Button

The Menu button is active in Record / Play / Delete modes. Press the Menu button (2) to turn on the Record/ Play/ Delete menus. To access the Record/ Play/ Delete menu, simply rotate the Mode Dial to Record / Play / Delete modes and press the Menu button (2). To turn off the menu, press the Menu button (2) again.

OK Button

The OK button is active any time a menu or dialog is displayed. Use the button to select/confirm the currently highlighted item.

Power Button

Press the Power button (1) to turn on/off the camera. While the camera is powered on and there is no button activity or host communication for about 90 seconds, the camera will automatically turn itself off to conserve battery power (standby) meanwhile press any button or rotate the Mode Dial will bring the camera back immediately. If there is no any activity for 3 minutes, the system power will be off and you will have to press the Power button (1) to turn it on.
Shutter Button

The Shutter button is only active in Record mode. You may press the button in Record mode for image capturing, processing and storing. Before photo shooting, please make sure that your camera has available free space for image storage and there is appropriate light for a successful image capturing.

Self-Timer Button

The Self-Timer button is active only in Record mode. When the Self-Timer button is pressed, the 10-second self-timer is enabled. To disable the self-timer function, do any of the following:

- Press the Self-Timer button again.
- Press the Shutter button to capture the image.
- Power off the camera.
- Change to another mode other than Record mode.
- Let the camera automatically disable the Self-Timer function after an image is captured.
Mode Dial

Switch the Mode Dial to select the desired Mode Dial. There are five Mode Dials available as follows:

- **Record**: Capture/stores images
- **Play**: Review images in memory
- **Setup**: Change camera settings
- **Delete**: Delete images in memory
- **Computer**: Transfer images to your computer

Battery Power Indicator

You may check the battery status by the battery power indicator on the LCD display.

- 🟢🟢🟢 Full Battery Power
- 🟢🟢 Green Battery Power
- 🟢 Yellow Battery Power
- 🔴 No Battery Power. The battery needs to be replaced, there is no battery power remains. The camera will be forced to power it off at once.
Digital Indicator

The digit number on the Status LCD may have different meanings in each mode:

**Record** mode: Shows the estimated remaining number of the images that can be recorded with current setting.

**Play/Delete** modes: Shows the current number of image showed on LCD Monitor.

**Computer** mode: Shows “PC” icon, indicating this camera is currently set to Computer mode.
## Appendices

### LED Messages

<table>
<thead>
<tr>
<th>Type</th>
<th>Color</th>
<th>Status</th>
<th>Description</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED1</td>
<td>Red</td>
<td>Blinking</td>
<td>While detecting the system error</td>
<td>Yes</td>
</tr>
<tr>
<td>LED2</td>
<td>Green</td>
<td>On</td>
<td>Camera is powered on</td>
<td>No</td>
</tr>
<tr>
<td>LED1</td>
<td>Red</td>
<td>Blinking</td>
<td>Image processing (Compression/Decompression)</td>
<td>No</td>
</tr>
<tr>
<td>LED1</td>
<td>Red</td>
<td>On</td>
<td>Focus detecting</td>
<td>No</td>
</tr>
<tr>
<td>LED1</td>
<td>Red</td>
<td>On</td>
<td>Flash charging</td>
<td>No</td>
</tr>
<tr>
<td>Self-timer</td>
<td>Red</td>
<td>Blinking</td>
<td>Self-timer function is activated</td>
<td>No</td>
</tr>
<tr>
<td>Self-timer</td>
<td>Red</td>
<td>On</td>
<td>Self-timer button is pressed</td>
<td>Yes</td>
</tr>
</tbody>
</table>
## Camera Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
<td>CCD sensor with 2.1 mega pixels</td>
</tr>
<tr>
<td><strong>Image Resolution</strong></td>
<td>1600x1200/800x600</td>
</tr>
<tr>
<td><strong>Image Quality</strong></td>
<td>Normal, Fine, Super Fine</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>24-Bit Color (RGB)</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>Aperture: 2.8/4.01/7.18</td>
</tr>
<tr>
<td><strong>Auto Focus</strong></td>
<td>Focus adjusting range: approximately 20 cm to infinity</td>
</tr>
<tr>
<td><strong>Zoom</strong></td>
<td>2 X Digital Zoom</td>
</tr>
<tr>
<td><strong>File Format</strong></td>
<td>JPEG, EXIF 2.1</td>
</tr>
<tr>
<td><strong>Internal Memory</strong></td>
<td>8MB Flash Memory</td>
</tr>
<tr>
<td><strong>External Memory</strong></td>
<td>CompactFlash Card Type 1 Slot</td>
</tr>
<tr>
<td><strong>Processing Time</strong></td>
<td>Interval during taking pictures &lt; 6 sec; picture playback time &lt; 6 sec</td>
</tr>
<tr>
<td><strong>Software Driver</strong></td>
<td>PC: Windows 98/2000/Me; Mac OS 8.6 or later</td>
</tr>
<tr>
<td><strong>AP</strong></td>
<td>MGI PhotoSuite 4, MGI PhotoVista</td>
</tr>
<tr>
<td><strong>LCD Display</strong></td>
<td>1.6&quot; color LCD for real time display with 280x220 pixels</td>
</tr>
<tr>
<td><strong>LCD Indicator</strong></td>
<td>Flash/Quality/Battery Status/Number of Image/Self-timer/Computer mode/Macro/Infinity</td>
</tr>
<tr>
<td><strong>Built-in Flash</strong></td>
<td>Auto, Red-eye Reduction, Forced Flash, Off</td>
</tr>
<tr>
<td><strong>Self-timer</strong></td>
<td>10 sec delay</td>
</tr>
<tr>
<td><strong>Exposure</strong></td>
<td>Auto; Manual: 0.3 EV step, -1.8 – +1.8EV</td>
</tr>
<tr>
<td><strong>White Balance</strong></td>
<td>Auto, Sun, Shade, Fluorescent, Tungsten</td>
</tr>
</tbody>
</table>
Language | English, Japanese, German, French, Spanish, Portuguese, Traditional Chinese, Simplified Chinese
---|---
Connectors | AC power port/ USB port / Video Output (NTSC or PAL)
Power | 4x AA (Alkaline Battery, NiMh, Lithium); AC-DC Adapter
Certification | CE, FCC, VCCI
Dimensions | 106 x 70 x 52mm
Weight | About 181g (without batteries and CF card)

*Design and specifications are subject to change without notice.*