## **Warranty Policy**

This camera is under warranty for one full year from the date of purchase by the orignal purchaser. In case of defects in materials or workmanship, we will replace or repair the camera free of charge. This warranty applies to the camera only. This warranty does not include batteries, or other accessories which have not been manufactured by our company. This warranty will not be honored if the camera has been mishandled or tampered with, or altered by anyone other than the manufacturer. Other than for the warranty herein, we are not responsible for loss, damage, or inconvenience of any kind.

A defective camera being returned under warranty must be accompanied by a brief description of the difficulties encountered and also by a proof of purchase with the date of purchase clearly indicated. All related transportation costs and insurances are at the ower's expense. Any alteration of this warranty cannot be made without the written approval from our company.

### **FCC Notice**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in commerical 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 guarentee that interference will not occur in a particular installation. If this equipment does cause harmful interferece to radio or television reception, detectable by turning the equipment in question 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 receivering antenna; Increase the distance between the equipment and the receiver; Connect the equipment to an outlet on a different circuit than that which the receiver is connected to; Or consult the dealer or an experienced radio/TV technician for help.

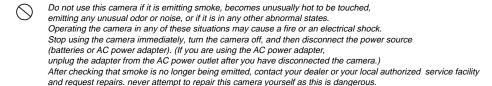
#### NOTE

A shielded-type DC power cable incorporated with a ferrite core is required in order to meet the FCC emission limits and also to prevent interference to the nearby radio and television reception.

Use only shielded I/O cable incorporated with a ferrite core to connect this equipment to host computer and TV set. Shielded A.C. power cable and shielded I/O cables are required in order to meet the FCC emision limits. It is essential that only the supplied power cord and I/O cable(s) be used.

この基礎は、情報処理接管零電波構き自主規約協議会(VCCI)の基準 に基づくクラス B情報技術装置です。この装置は、家庭環境で使用すること を目的としていますが、この装置がラジオやテレビジョン受信機に近接して 使用されると、受信障害を引き起こすことがあります。 取扱処理報に従って下した助りないをして下され、

# **WARNING**



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.

# **WARNING**

$\bigcirc$	sloping surface where the camera may fall or tip over and cause injury.
$\bigcirc$	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.
$\bigcirc$	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.
$\bigcirc$	Do not attempt to modify this camera. This may cause a fire or an electrical shock.
$\bigcirc$	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
$\bigcirc$	Avoid using this camera in the bathrooms.  Exposure to excessive moisture may cause a fire or an electrical shock.
$\bigcirc$	Do not touch the power plug during a thunderstorm if you are using the AC power adapter. This may cause an electrical shock.
$\bigcirc$	Never operate this camera in any way while driving a vehicle. This may cause a traffic accident.

# **CAUTION**



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 camea 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 may result in an electrical shock.

# CAUTION



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.

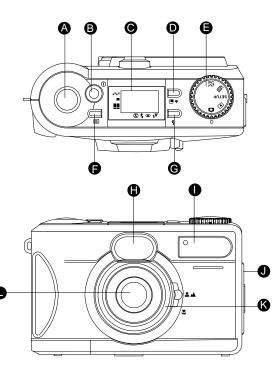


Fig.2

Fig.1

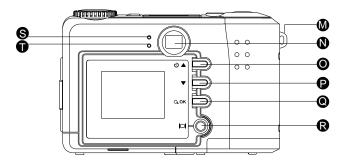


Fig.3

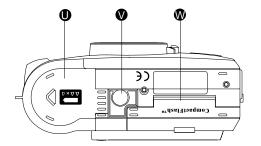
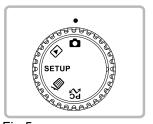
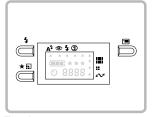


Fig.4





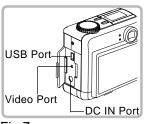


Fig.5

Fig.6

Fig.7

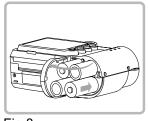






Fig.8

Fig.9

Fig.10







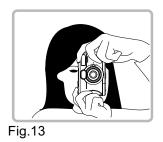


Fig.12

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# **Getting Started**

Thanks for the purchase of the digital camera. With the camera, you will live a whole new camera experience and make photo shooting more interesting and fun. Here below we will guide you through the whole picture taking process, please keep this booklet on hand and enjoy your time.

## **Checking Accessories**

### Standard Accessories:

- 4 x "AA" alkaline batteries
- Video Cable
- USB Cable
- Bundled Software with camera driver
- Instruction Manual
- Quick Start Guide
- Pouch
- Strap

## Optional Accessories:

- Compact Flash<sup>™</sup> Memory Card-4MB, 8MB, 16MB, 32MB, 48MB, 64MB, 96MB, and 128MB
- AC Power Adapter

## **System Requirements**

- Pentium 166 MHz processor or higher / PowerPC G3/G4 or higher
- Windows 98/Me/2000
- 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

# **Identifying the Parts**

4300**37**6

# Top View(Fig.1)

- 1. Shutter Button
- 2. Power Button
- 3. Status LCD
- 4. Resolution/Quality Button
- 5. Operating Mode Knob
- 6. Menu Button
- 7. Flash Mode Button

# Front View(Fig.2)

- 1. Viewfinder Window
- 2. Flash
- 3. Jack Cover
- 4. Focus Knob
- 5. Lens

## Rear View(Fig.3)

- 1. Strap Holder
- 2. Viewfinder
- 3. Up / Backward / Self-timer Button
- 4. Down / Forward Button
- 5. OK / Zoom Button

7. LED 1 8. LED 2

## **Bottom View (Fig.4)**

1. Battery Cover 2. Tripod Socket



3. CF Cover



# Operating Mode Knob(Fig.5)

The camera provides 5 different operating modes for your selection:

1. Record Mode

Δ

2. Play Mode

ightharpoonsSETUP

3. Setup Mode 4. Delete Mode

Ó

5. Computer Mode

PC

15

## Status LCD(Fig.6)

The status LCD contains the following indicators:

• / **■**i

11

Resolution Indicator

2. Computer Mode Indicator

3. Image Quality Indicator

4. Battery Power Indicator

5. Flash Mode Indicator

6. Images Remaining/Image Number Indicator 8888

7. Self-timer Indicator

## **LCD Monitor**

The LCD Monitor shows the current image information:

- 1. Resolution
- 2. Quality
- 3. Time (optional)
- 4. Date (optional)
- 5. File Name

## Connectors(Fig.7)

- USB Port
- Video Port
- DC IN Port

## **Preparing the Power Supply**

## Using Batteries(Fig.8)

- 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.

#### On Battery Usage

- Use 4 "AA" type batteries only.
- Do not mix battery types or it may cause a fire or explosion. Use only one battery type at one time.
- Batteries should be inserted in the battery compartment with the "+" and "-" sides facing correctly.
- Batteries should be replaced when the battery indicator appears an empty icon.
- To improve battery performance, replace all installed batteries at the same time and keep batter away from heat.
- Do not drop, puncture or disassemble batteries.
- Take off all the installed batteries if they won't be used for a long period of time since the last time.



Any of these actions may cause the battery to split or leak, resulting in fire or injury.



Do not attempt to charge the alkaline battery.



Do not carry or store a battery with objects such as metal pens, necklaces, coins or hairpins. This could short circuit the positive + and negative - poles of the battery.



Do not heat or attempt to disassemble a battery, and do not place a battery in water or in a fire.



Do not subject batteries to strong impacts, such as hitting them with a hammer, stepping on them or dropping them.

## Using the Power Adapter(Fig.9)

- Open the connector 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.



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

## Loading the CompactFlash™ Card (Fig.10)

To record images, please insert a Compact Flash™ card if no internal memory is built in your digital camera.

To load the CF card, perform the following:

- 1. Make sure to turn off the camera.
- Open the CF card slot cover and then insert a CF card as indicated by the arrow.
- 3. Close the CF card slot cover.

## Attaching the Strap(Fig.11)

- 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.

## **Setting the Date and Time (optional)**

Switch to SETUP mode and then power on the camera, the Setup menu appears.

Press the OK / Zoom Button to select DATE/TIME. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons (▲/▼) to make the change. For more details, please refer to page 35.

# **Basic Operations**

## How to record an image?



If there is no internal memory built in your camera, you have to insert a CF card first before photo shooting.

To record an image, perform the following:

- 1. Power on the camera.
- 2. Set the operating mode to RECORD .

- 3. Use the viewfinder window or LCD Monitor to frame the image.
  - Press the Display button to turn on the LCD Monitor for usage.
- 4. Press the Shutter button.
  - LED1 is blinking while capturing images.

## Digital Zoom

To record a zoom image, perform the following:

- 1. Set the camera to Record mode.
- 2. Press the Display button to turn on the LCD monitor.
- 3. Press the OK / Zoom button to activate 2X digital zoom function.
- 4. Press the Shutter button.
  - Digital Zoom is only available at the resolution of 1280x960 pixels.

#### Precaution

To perform a successful photo shooting, please follow the instructions below before starting your camera tasks.

- On Camera Holding (Fig.12-13)
  - Hold the camera firmly with both hand and brace your elbows lightly against your body.
  - Take care to keep your fingers, hair and the camera strap away from the camera lens.

- Use the viewfinder or LCD display to frame your shot.
- Be sure to rest the camera against your forehead while using the viewfinder to focus your shot.
- On Shutter Button Release
  - Press the shutter button slowly and gently with your finger on it.
  - Keep your camera still and do not shake while pressing the shutter button.
  - Release your press when you hear a "Beep" sound.

## How to playback images?



To playback the image recorded in the CF card, make sure the card is inserted.



To playback the images recorded in the camera internal memory, 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 operating mode to PLAY mode **.** The last image recorded appears.
- 3. Use the arrow buttons ( $\blacktriangle/\blacktriangledown$ ) to forward/backward through the recorded images.

#### ■ On a TV

- 1. Set the appropriate Video output mode corresponding to your TV standard.
- 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 **\rightarrow** .
- 6. Use the arrow buttons (▲/▼) to forward/backward through the recorded images.

## How to view 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.

## How to examine image details?

Sometimes you may want the images to be enlarged on the LCD monitor to have carefully examined. In PLAY mode , OK / Zoom Button provides this feature and acts as a magnifier to cycle through 2X, 4X, 1X.

- 1. Set the camera to PLAY mode **\rightarrow** .
- 2. Press the OK / Zoom Button once to magnify the image at 2X.
- 3. Press the OK / Zoom Button again to magnify the image at 4X.
- 4. Use the arrow buttons to navigate the image magnified in a sequent of "Z" type.

## How to delete images?



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 operating mode to DELETE
- 2. Press the Menu button to enter the DELETE MENU.
- 3. Use the arrow buttons (▲/▼) to select DELETE CURRENT or DELETE ALL
- 4. Press the OK / Zoom Button to confirm.
- 5. Use the arrow buttons (▲/▼) to select YES, then press the OK / Zoom Button to re-confirm the deletion.



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

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.



You can review the recorded images on the LCD Monitor or on a TV.

### How to set the focus?

Before taking a picture, you may need to set the focus. The camera provides 2 different type for your selection:

Mode	Effective Range (Meter)	Description
Icon ♣ ▲ Portrait/Telephoto	0.6 ~ ∞	For a normal/long distance shot
Icon Close-up	0.3 ~ 0.6	For a macro shot

Simply switch the Focus knob to select one.

## How to set the image resolution & quality?

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

- 1280x960 pixels resolution with Super Fine (★★★), Fine (★★), Normal (★) quality.
- ullet 640x480 pixels resolution with Super Fine (  $\star\star\star$ ), Fine (  $\star\star$ ), Normal ( $\star$ ) quality.

To change the resolution & quality setting, perform the following:

- 1. Power on the camera.
- 2. Set the operating mode to RECORD 

  .
- 3. Press the Resolution & Quality button ★ . To toggle the selection.



The setting is conserved even if the camera power is off.

#### Resolution Indicator

In RECORD mode: Shows the currently set image resolution setting.

In PLAY mode: Shows the captured image resolution setting.

## Image Quality Indicator

In RECORD mode: Shows the currently set image quality setting.

In PLAY mode: Shows the captured image quality setting.

Resolution	Quality	Compression Ratio	Estimated Pictures (8MB)
1280x960	***	8:1	17
1280x960	**	12:1	25
1280x960	*	20:1	50
640x480	***	4:1	34
640x480	**	8:1	69
640x480	*	16:1	138



The setting is conserved even if the camera power is off.

## How to set the flash?

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

Mode	Description
Auto	Flash is enabled automatically in low light conditions
Red-Eye	Auto Mode with pre-flash to reduce red eye effect
Fill-In	Flash is always enabled
Off	Flash is always disabled



The setting is conserved even if the camera power is off

# **Advanced Operation**

## How to adjust the EV compensation?

To adjust the EV compensation, perform the following:

- Set the operating mode to RECORD .
- 2. Press the Menu button. The Record menu appears.
- 3. Select the EV COMPENSATION item.
- 4. Select the desired exposure value.
  - The effective range is from -1.8 to +1.8 in steps of 0.3 EV.



This setting is reset to 0.0 when the camera power is off.

## How to adjust the White Balance?

To adjust the White Balance, perform the following:

- 1. Set the operating mode to RECORD .
- 2. Press the Menu button. The Record menu appears.
- 3. Select the WHITE BALANCE item.
- 4. Select the desired white balance setting.



This setting is reset to AUTO when the camera power is off.

## How to set the OSD (On-Screen Display) language?

To set the OSD language, perform the following:

- 1. Set the operating mode to SETUP.
- 2. The Setup menu appears.
- 3. Select the LANGUAGE item.
- 4. Select the desired language setting.



The setting is conserved even if the camera power is off.

### How to set the Self-Timer?

The self-timer can only be set under RECORD **n** mode.

To use the Self-Timer function, perform the following:

- 1. Press the Self-Timer button (5) to activate the Self-timer.
- 2. Press the Shutter button.
- 3. After 10 seconds, an image is captured and the timer will turn itself off.



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.

## How to format the CF (CompactFlash™) card?

To format the CF card, perform the following:

- 1. Set the operating mode to SETUP.
- 2. Select the FORMAT MEDIA item.
- 3. Select YES to re-format the CF card (default = NO).

# **Operating Modes and Menus**

## **RECORD Mode**

Set the operating mode to RECORD of for image capturing.

#### RECORD MENU

Press the Menu button 🗏 in RECORD node, the RECORD menu appears.

The menu contains the following items:



#### LCD BRIGHTNESS:

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

Press the OK / Zoom Button to select this item. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $\blacktriangle/\blacktriangledown$ ) to increase/decrease the LCD brightness. Press the OK / Zoom Button again to make the change. The cursor returns to the Record menu automatically when the change is made.



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 viewfinder mode.

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 is over, the LCD Monitor will be automatically turned off.

During this 3 seconds of preview in either case, the user will have the option, by means of an onscreen prompt, of deleting the image just captured by pressing the OK / Zoom Button once processing is completed.



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 ( $^{-}/_{\checkmark}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\checkmark}$ ) to select the desired setting. The cursor returns to the Record menu automatically when the change is made.



The setting is conserved even if the camera power is off.

#### WHITE BALANCE:

Select either one of the 5 (Auto, Sun, Shade, Fluorescent, Tungsten) manual 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 ( $^{-}/_{\checkmark}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\checkmark}$ ) to select the desired white balance type. Press the OK / Zoom 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, Flourescent = 4000K and Tungsten = 2850K.

#### **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 ( $^{-}/_{\checkmark}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\checkmark}$ ) to increase/decrease the EV compensate value (-1.8  $^{-}$  +1.8). Press the OK / Zoom Button again to make the change. The cursor returns to the Record menu automatically when the change is made.

## **PLAY Mode**

In Play mode, users can review the recorded images on the LCD Monitor or on a TV. Set the operating mode to PLAY for image review.

#### PLAY MENU

Press the Menu button in PLAY mode, the Play menu appears.

The menu contains the following items:



#### LCD BRIGHTNESS:

Changes the brightness setting (-5  $\sim$  +5, Interval = 1) of the LCD Monitor.

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



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 ( $^{-}/_{\checkmark}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\checkmark}$ ) to increase/decrease the delay between 2 to10 seconds with interval 2 . Press the OK / Zoom Button again to make the change. The slide show starts.

Press the Display/Menu/OK/ arrow buttons (▲/▼) buttons or switch the Operating Mode knob while a slide show is playing to interrupt the display and returns to the PLAY mode.

#### **COPY TO CF CARD: (Optional)**

Copy the recorded images to the external CF card.

Select the item by the arrow buttons ( $^{-}/_{\text{T}}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\text{T}}$ ) to toggle the YES or NO option. Then press OK / Zoom 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:

- (1) Use Shutter button in PLAY Mode:
- 1. Set the Operating Mode to the PLAY **D**, then the last image appears.
- 2. Press the Shutter button to toggle the DPOF print tag setting of the selected image.



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

- (2) Use Menu button in Play Menu:
- 1. Set the Operating Mode to the PLAY  $lackbox{\Large L}$  , 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 / Zoom Button to confirm.
- 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 / Zoom 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 / Zoom Button to confirm, the camera will save the setting and returns to Play menu. If you select "DISABLE" and press OK / Zoom Button to confirm, the camera will erase this image's DPOF setting and returns to Play menu.



If your printer only supports DPOF version 1.0, you must set PRINT STD for the "PRINT SIZE" option.



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.

#### SETUP MENU

Switch the Operating Mode knob to SETUP, the Setup menu appears. The menu contains the following items:



#### DATE/TIME: (optional)

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.

Press the OK / Zoom Button to select DATE/TIME. The cursor skips to the data field and the first item (Month) in this field is selected. Use the arrow buttons ( $\triangle/\blacktriangledown$ ) to change the number or press the OK / Zoom Button to proceed to the next item. When the last item is selected/changed, press OK / Zoom 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, Japanese, Portuguese, Traditional Chinese and Simplified Chinese.

Select the item by the arrow buttons ( $^{-}/_{\text{T}}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\text{T}}$ ) to select the desired language setting (default=English). Press the OK / Zoom Button again to make the change. The cursor returns to the Setup menu automatically when the change is made.

#### SOUND:

Enables/disables the sound effects.

You may choose either to turn on or off (default=ON) the sound effects while pressing a button is produced by the camera.

Select the item by the arrow buttons ( $^{-}/_{\checkmark}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\checkmark}$ ) to toggle the selection. Press the OK / Zoom Button again to make the change. The cursor returns to the Setup menu automatically when the change is made.



The setting is conserved even if the camera power is off.

#### FORMAT MEDIA:

Formats the CompactFlash™ card.

Select the item by the arrow buttons ( $^{-}/_{\checkmark}$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $^{-}/_{\checkmark}$ ) to toggle the selection. Select YES and press the OK / Zoom Button to re-format the CF card and returns to the Setup menu. Select NO and press the OK / Zoom 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).

#### RESET TO DEFAULT:

Returns all the camera settings to the factory default settings.

Select the item by the arrow buttons ( $\blacktriangle/\blacktriangledown$ ) and then press the OK / Zoom Button to confirm. The cursor skips to the data field as the OK / Zoom Button being pressed. Use the arrow buttons ( $\blacktriangle/\blacktriangledown$ ) to toggle the selection. Select YES and press the OK / Zoom Button to make the change and returns to the SETUP menu. Select NO, then press the OK / Zoom Button to cancel and return to the SETUP menu without any change.

Image Resolution = 1280 x 960
Image Quality = Super fine
White Balance = Auto
Flash = Off
QuickView = Off
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.

### **DELETE MENU**

Switch the operating mode to DELETE in .



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. The last image taken or the image currently being viewed in Play mode will be shown.
- 2. Use the arrow buttons ( $\blacktriangle/\blacktriangledown$ ) to select the captured images you want to delete.
- 3. Press the Menu button to enter the DELETE MENU. As DELETE CURRENT is highlighted, press the OK / Zoom Button to confirm your selection.
- The MESSAGE window appears, use the arrow buttons (▲/▼) to select Yes, then press the OK button to delete the image.
  - (2)

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

#### **DELETE ALL**

- 1. The last image taken or the image currently being viewed in Play mode will be shown.
- 2. Press the Menu button to enter the DELETE MENU.
- Use the arrow buttons (▲/▼) to select DELETE ALL, then press the OK / Zoom Button to confirm to confirm your selection.
- 4. The MESSAGE window appears, use the arrow buttons (▲/▼) to select Yes, then press the OK button to delete all the images stored in your camera memory or in the CF card.

## **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 your Images to the Computer**

Before image transfer, please read the following guideline carefully.

## **Driver Installation for PC**

#### For Users of Windows 98

If you are planing 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
- 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.

## **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.
- Drag and drop the images in the removable disk mentioned above to the folder in your hard disk.
- Once the copy process has been completed, the images then successfully have downloaded from the camera to your PC.

## **Editing and Processing 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:

### Step 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.



#### Step 2: Select the Lens

Click the Select Lens icon. The Select Lens dialog box appears. Select the proper lens type.



### Step 3: Preview the Stitch

Click the Stitch Panorama icon. The Stitch Options dialog box appears. Click Preview Stitch button.



#### Step 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.





#### Step 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.



### Step 6: Save a Panorama

After Step5, 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.



### **Driver Installation the for Mac**

- 1.Insert CD-ROM.
  - Click the Digital Camear 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.
- After restarting computer, a new folder will be made automatically on the desktop when you connect camera to Mac.

## Additional Information

## **Names and Functions**

#### Viewfinder Window

The optical viewfinder is the real-image type with 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 to turn on the Record/Play/Delete menus. To access the Record/Play/Delete menu, simply rotate the operating mode knob to RECORD/PLAY/DELETE mode and press the Menu button. To turn off the menu, press the Menu button again.

#### OK / Zoom Button QOK

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

The Zoom, button is active in RECORD/PLAY modes. You can enlarge the subject on the LCD monitor by pressing the Zoom button to take zoom shots. It also acts as a magnifier, allowing you to examine carefully the images being capatured in RECORD mode.

#### Power Button (I)

Press the power button 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 knob 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 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.

#### **Operating Mode Knob**

Switch the Operating Mode knob to select the desired operating mode. There are five operating modes available as follows:

RECORD: Capture/stores images

▶ PLAY: Review images in memory

SETUP 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.

Battery icon with 3 bars on: The battery is fully charged.

Battery icon with 2 bars on: The battery is partially charged.

■ Battery icon with 1 bar on: Prepare new batteries.

Battery icon with no bars on: The battery needs to be replaced, there is no battery power remains.

The camera will be forced to power it off at once.

#### Images Remaining/Image Number 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.

# **LED Messages**

Туре	Color	Status	Description	Sound
LED1	Red	Blinking	While detecting the system error	Yes
LED1	Green	On	Camera is powered on	No
LED1	Red	Blinking	Image processing	
			(Compression/Decompression)	No
LED1	Orange	Blinking	USB processing	No
LED2	Green	On	CF card is inserted	No
SELF-Timer	Red	Blinking	Self-Timer function is activated	No
Indicator				
SELF-Timer	Red	On	Self-Timer button is pressed	Yes
Indicator			·	

# **Specification**

Image Sensor	CCD sensor with 1.3 mega pixels		
Image Resolution	1280*960/640*480		
Image Quality	Normal, Fine, Super Fine		
Color	24-bit Color (RGB)		
Lens	Fixed Lens with Macro (0.3m~0.6m), Aperture-2 step (Auto)F:2.8/8		
Zoom	2 X Digital Zoom		
File Format	JPEG , EXIF 2.1		
Internal Memory	8MB Flash Memory		
External Memory	Compact Flash Card Type 1 Slot		
Processing Time	Interval during taking pictures < 4 sec; picture playback time < 4 sec		
Software Driver	PC(Windows 98/2000/Me); PowerPC G3/G4(Mac OS 8.6 or later)		
AP	MGI PhotoSuite III SE, MGI PhotoVista		
LCD Display	1.6" color LCD for real time display with 280x220 pixels		
LCD Indicator	Flash/Quality/Battery Status/Number of Image		
Built-in Flash	Auto, Red-eye reduction, Fill-in, Off		
Self-timer	10 sec delay		
Exposure	Auto; Manual: 0.3 EV step, -1.8 ~ +1.8EV		
White Balance	Auto, Sun, Shade, Fluorescent, Tungsten		
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, BSMI		
Dimensions	105x66.5x48 mm		
Weight	about 200g(without battery and CF card)		
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