# DC 2300 User's Manual



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### Taking care of your camera

- Do not use your camera over the following environmental range: temperature:  $O^{\circ}C$  to  $40^{\circ}C$ , relative humidity:  $45\% \sim 85\%$ .
- Do not use or store your camera in environments listed below: Direct sunlight.

High humidity and dusty places.

Next to the air conditioner, electric heater or the other heat sources.

In a closed car that is directly under the sun.

Avoid shaky places.

- If your camera becomes wet, wipe it with dry cloth as soon as possible.
- Salt of seawater may cause severe camera damage.
- Do not use organic solvents, such as alcohol, etc., to clean your camera.
- If the lens or viewfinder is dirty, please use the lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electrical shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, please store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in the water.
- If the foreign substance or water gets in your camera, please tum the power off immediately and disconnect the batteries and the transformer. Remove the foreign substance or water, and send it to the maintenance center.
- Transfer the data to the computer as soon as possible to avoid losing your image data.

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### I. TOURING YOUR DC 2300

### I.I. Checking package contents

The package should include the following items:









DC 2300 digital camera

Camera pouch

USB cable

Hand Strap







2 pcs of AA Battery

DC 2300 software CD-ROM

User's Manual

### I.2. Parts of the DC 2300 and their names

### I.2.I. Front View



### I.2.2. Rear View



### I.2.3. Top View



### I.2.4. Bottom View



### 1.2.4. Mode Dial and Focus Range



### 2. PREPARING YOUR DC 2300 FOR USING

### 2.1. How to Switch On or Switch Off The Camera

To switch on the camera, slide the Power Switch to the side and hold for I second. To switch off the camera, slide the Power Switch to the side and hold for I second again.

### Load the Batteries:

This camera is using 2 pcs of AA battery. I. Make sure the camera is switched off.

- 2. Open the Battery / Memory Card Cover.
- Load the batteries into the battery chamber following the polarity indications.
- 4. Close the Battery / Memory Card Cover.





### Note

On the TFT LCD Monitor you can see the battery status as below:

( ) Batteries are with sufficient electricity power to support the camera's operations.

( \_\_\_\_) Battery power half drained, please prepare with new batteries.

( 🚔 ) Batteries drained. Replace the old batteries with new ones.

### Note

Please use the below suggested battery to ensure that the battery is of acceptable quality to support the camera's operation:

| Brand          | Model no. | Туре     |  |
|----------------|-----------|----------|--|
| Duracell Ultra | MX1500    | Alkaline |  |

### Note

- I. Batteries may lose power if kept inside the camera for a long time without using. Please remove the batteries while the camera is not in use.
- 2. Do not use manganese batteries as they cannot supply sufficient power to support the camera's operation.
- 3. Batteries may not work normally under 0°C.
- It's normal that the temperature of the camera body rises after being in use for a long period.

### If an AC adapter is used:

- I. Switch off the camera.
- 2. Make sure the AC adapter is 3.3V/2.0A.
- 3. Plug the AC adapter into the DC In Connector.
- 4. Switch on the camera.

### Attach the Hand Strap:

Please follow the illustrations.

١.







3.

### 2.2. Insert and Remove the SD Card

2

### Insert the SD Card

- (1) Switch off the camera.
- (2) Open the Battery / Memory Card Cover.
- (3) Insert the SD card into the card slot
- and press it down until you here a click sound. (4) Close the Battery / Memory Card Cover.



### Note

If a new SD card is used, you'll have to format it first. Please refer to page 10 for details.

This camera is equipped with a built-in flash memory. The image(s) can be stored in the built-in memory or in a memory card if used. Please note that if a memory card is not inserted, all operations will affect only the built-in flash memory. If the memory card is inserted, all operations will affect only the memory card but not the built-in flash memory.

### Remove the SD Card

- (1) Make sure the camera is switched off.
- (2) Open the Battery / Memory Card Cover.
- (3) Press down the SD card and the card will jump up.
- (4) Take out the card and close the Battery / Memory Card Cover.

### 2.3. LCD Display Icon Definition



### 2.4. Icon Index

| Icon Index              |             |    |    |     |   |
|-------------------------|-------------|----|----|-----|---|
| Working Modes           | ۵           | ►  | )  | SET |   |
| Focus Range             | •}          | C  | 4  |     |   |
| Flash Modes             | <b>₩</b>    | 0  | \$ | \$  | Ð |
| Digital Zoom            | <b>3</b> E  |    |    |     |   |
| Thumbnails              | ¢           |    |    |     |   |
| Self-timer              | ତ           |    |    |     |   |
| Movie Clips             | ų           |    |    |     |   |
| Memory Card Inside      | Ê           |    |    |     |   |
| Battery Status          | I           | ٦  | 詽  |     |   |
| Image Size (Resolution) | ľ           | ۲  | G  | Ω1  |   |
| Image Quality           | *           | ** | *  |     |   |
| White Balance           | AUTD        | *  | (ا |     | ☀ |
| Exposure                | ±0          | 7. |    |     |   |
| Protecting Images       | <b>\$</b> п |    |    |     |   |
| Print (DPOF)            | ai]         |    |    |     |   |

### 3. USING THE DC 2300

The functions of DC 2300 are mainly composed of four modes: Recording mode, Playback mode, Video Mode, and Setup Mode. In this chapter, we will introduce the functions of DC 2300 according to these four modes.

### 3.1. Working Mode

### 3.1.1. Recording Mode

Please set the Mode Dial at Recording Mode ( 🖸 ) before setting up the below functions.

#### I. Set Up Focus Range

Before you take pictures, please make sure you set the Focus Switch at the correct focus range or the image may not be clear.

- a. Macro ( 🐥 ): 18~25cm.
- b. Portrait ( 💽 ): 80cm~1.3m.
- c. Normal( ): 1.3m~infinity.

If the Focus Switch is set at ( $\mathfrak{S}$ ) or ( $\mathfrak{A}$ ), ( $\mathfrak{S}$ / $\mathfrak{A}$ ) will show on TFT LCD Monitor to remind you that the focus is not set at Normal focus range.

#### II. Turn On or Turn Off the LCD Display (Preset at On status)

The TFT LCD Monitor is automatically turned on when the camera is switched on. To turn off the TFT LCD Monitor please press LCD Button. To turn on the TFT LCD Monitor please press LCD Button again.

#### III. Set Up Flash Mode (Preset at Auto Flash mode)

There are five flash modes as below:

- a. Auto flash( 🙀 ): The camera will judge the necessity of using the flash. If the environment is too dark the flash will fire automatically.
- b. Auto flash with red-eye reduction( •): The camera will judge the necessity of using the flash and reduce the chance of red-eye reduction.
- c. Slow sync ( ( ): The shutter speed will become slow in order to catch more light to make good images in low light circumstances. Under this mode, it is suggested to use a tripod to make sure the camera is held still while taking the picture.
- d. Fill-in-flash(  $\frac{1}{2}$ ): The flash will fire in any light circumstances.
- e. Flash off ( 🚯 ): The flash will not fire in any light circumstances.

#### IV. Set Up Self-timer (Preset at no self-timer)

To activate the self-timer or cancel the self-timer, press Up Direction Button. Self-timer will be activated when the Shutter Button is pressed. This function can delay the shutter from release for 10 seconds. Self-timer is automatically canceled after the shutter is released.

#### V. Set Up Digital Zoom (Preset at no digital zoom)

This camera is equipped with 4X digital zoom (0.2X per step). To activate digital zoom please press Right Direction Button. To adjust the status of digital zoom please use Right Direction Button and Left Direction Button. To cancel digital zoom function please adjust it to 1.0X.

#### Note

It is normal that the image with digital zoom is not as sharp comparing to the image without digital zoom.

#### VI. Set Up Image Size (Preset at 1600 x 1200)

Please set the Mode Dial at Recording Mode ( ) and press Menu Button to enter "Still Image" menu table. Use Up Direction Button ( ) and Down

Direction Button(  $\mathbf{\nabla}$  ) to move the color bar to the feature you would like to set

up. Press Right Direction Button ( 🍉 ) to enter the setting and select your

preferred setting using Up ( 🛕 ) and Down ( 🖤 ) Direction buttons. Press Right

Direction Button ( ) to confirm the new setting or press Menu Button to

cancel the setting. When the LCD Display is back to the "Still Image" menu table, please check if the new setting is shown on the right side of the LCD screen. If the new setting is not shown please repeat the above procedure.

- I. Select "Size"
- 2. There are four resolutions can be selected which are:
  - ( 🗶 ) 2048 × 1536
  - ( 100 × 1200
  - ( 🚺 ) 1280 x 960
  - ( 🕞 ) 640 x 480

### VII. Set Up Image Quality (Preset at Fine quality)

Please set the Mode Dial at Recording Mode () and press Menu Button to

enter "Still Image" menu table.

I. Select "Quality"

2. There are three image qualities can be selected which are:

( 🛨 ) Fine

- ( 🛨 ) Normal
- 3. Press Right Direction Button (icon) to confirm the setting.

### Note

The better the image quality is set the less number of images can be stored in the built-in flash memory or the memory card.

#### VIII. Set Up White Balance (Preset at Auto White Balance)

Please set the Mode Dial at Recording Mode ( ) and press Menu Button to enter "Still Image" menu table.

- I. Select "White Balance"
- 2. There are five modes can be selected which are:
  - (Auro) Auto White Balance: The camera will adjust the white balance by itself. It is suggested that the user to stay with this mode unless the light environment is very different from normal.
  - ( 👾 ) Daylight: For strong light environment.
  - ( ) Sunset: For sunset light environment.
  - $\left(\frac{1}{11}\right)$  Fluorescent: For fluorescent light environment.
  - (-) Tungsten: For tungsten light environment.
- 3. Press Right Direction Button ( ) to confirm the setting.

#### IX. Set Up Exposure (Preset at +0)

Please set the Mode Dial at Recording Mode ( 👩 ) and press Menu Button to

enter "Still Image" menu table.

- I. Select "Exposure"
- 2. Select the exposure from +2.0 to -2.0 (0.5 per step).
- 3. Press Right Direction Button ( ) to confirm the setting.

### Note

The higher the value is the brighter the image will be.

### Note

The TFT LCD Monitor will show "Low Light!" as a warning to remind you that the image which you are going to capture is in a low light environment. It is suggested to set the Flash Mode at Auto Flash or Fill-in Flash for supplementary light to compose a good image.

### 3.1.2. Playback Mode

Please set the Mode Dial at Playback Mode ( $\blacktriangleright$ ) before setting up the below functions. The TFT LCD Monitor will show the latest captured image. Use Up ( $\blacktriangle$ ) and Down ( $\blacktriangledown$ ) Direction Buttons to select other captured images or movie clips.

#### I. To View A Part Of An Image

Set the Mode Dial at Playback Mode (  $\blacktriangleright$  ). The TFT LCD Monitor will show the latest captured image.

I. Press Right Direction Button ( ).

2. Press Up Direction Button ( 🛕 ) to adjust the size of the image.

- 3. Press Right Direction Button ( ) again to enter.
- 4. Use four direction buttons to view the image.
- 5. Press Menu Button to cancel this function.

#### II. To Show The Information Of A Still Image

Please set the Mode Dial at Playback Mode ( $\blacktriangleright$ ). The TFT LCD Monitor will show the latest capture image. Use Up ( $\blacktriangle$ ) and Down ( $\blacktriangledown$ ) Direction Buttons

to select other captured images.

I. Select an image

2. Press LCD Button to show the information.

3. Press LCD Button again to erase the information.

#### III. To Play A Recorded Movie Clip

Please set the Mode Dial at Playback Mode ( $\bigcirc$ ). Use Up ( $\blacktriangle$ ) and Down( $\bigvee$ ) Direction Buttons to select a movie clip. Select a recorded movie clip.Press Right Direction Button ( $\blacktriangleright$ ) to play the movie clip.

### Note

You can press Right Direction Button (  $\blacktriangleright$  ) to pause the playing and press Right Direction Button ( $\blacktriangleright$ ) again to cancel the pause.

#### IV. Go Into Thumbnail Images (Small Images)

Please set the Mode Dial at Playback Mode  $(\mathbf{F})$ .

I. Press Left Direction Button( <) to enter thumbnail image table.

2. Use Up(  $\blacktriangle$  ) and Down(  $\bigtriangledown$  ) to select an image or movie clip.

- 3. Press Right Direction Button( >) to enlarge the selected image or movie clip.
- To go back to the thumbnail image table press Left Direction Button (
   again.

### Note

When a thumbnail image is selected, please check if it shows ( ) on the left top corner of

the LCD screen. If ( ) is shown it means the selected thumbnail is a movie clip but not a still image.

#### V. To Delete Image(s)

Please set the Mode Dial at Playback Mode ( 🕞 ) and press Menu Button to enter "Play" menu table.

- I. Select "Delete"
- 2. (a) Select "Delete Image" to confirm the willing to delete the selected image or movie clip.
  - (b) Select "Delete All" to confirm the willing to delete all stored images or movie clips.
- 3. Select "No" to cancel the order or select "Yes" to delete.
- 4. Press Right Direction Button ( ) to confirm the setting.

#### VI. To Format a SD Card

When a new SC card is used please format the card first before using it.

Please set the Mode Dial at Playback Mode ( ) and press Menu

Button to enter "Play" menu table.

- I. Select "Delete".
- 2. Select "Format"
- 3. Select "No" to cancel the order or select "Yes" to format the memory card.
- 4. Press Right Direction Button ( ) to confirm the setting.

#### VII. Set Up Slide Show (Preset at I second)

Please set the Mode Dial at Playback Mode ( 🕞 ) and press Menu Button to enter

"Play" menu table.

- I. Select "Slide Show".
- 2. Select the time for slide show from 1 second to 9 seconds (2 seconds per step).

3. Press Right Direction Button ( ) to start the slide show.

You can press Menu Button to cancel the slide show.

#### VIII. Set An Image At Protect Status Or Cancel The Protection Of An Protected Image

Please set the Mode Dial at Playback Mode ( **>**) and press Menu Button to enter "Play" menu table.

#### IX. To Set An Image At Protect Status (Preset at Unlock)

To set an image at protect status can prevent the selected image from erasing.

- I. Select "Protect".
- 2. Select "Lock" to protect the selected image.
- 3. Press Right Direction Button ( ) to confirm the setting.

### Note

After above steps are done, please check if the (n) is shown on the right side. If it is not shown please repeat the steps again.

#### X. To Cancel The Protection Of An Protect Image

- I. Select "Protect".
- 2. Select "Unlock" to cancel the protection.
- 3. Press Right Direction Button ( ) to confirm the setting.

# XI. Print Out An Image With A Printer Without Going Through PC (Preset at X0)

Please set the Mode Dial at Playback Mode ( ) and press Menu Button to enter

"Play" menu table. Use Up Direction Button ( 🔺 ) and Down Direction Button

(  $\mathbf{\nabla}$  ) to move the color bar to the feature you would like to set up.

- I. Select "Prints ".
- Select the number of copies you would like to print out from X0 to X9. The number means the number of the copies you would like to print out.
- 3. Take out the memory card from the camera and put it into the card reader slot of the printer.
- Set the printer at DPOF Print and then the printer will print out the selected image(s) according to the set number(s).

 5. Press Right Direction Button (▶) to confirm the setting or select Menu Button to cancel the setting.

### Note

After above steps are done, please check if the ( <u>i</u>) is shown on the left down corner. If it is not shown please repeat the steps again.

#### Note

This function can only work with a memory card. It cannot work with the built-in flash memory.

### 3.1.3. Video Mode

Please set the Mode Dial at Video Mode ( ) .

#### Select The Time Of Movie Clip

- I. Select the time for the movie clip,"10 seconds, 20 seconds, 30 seconds" or "Manual".
- 2. Press Right Direction Button ( ) to confirm the setting.
- 3. Press Shutter Button to start recording.

### Note

- I. When 10, 20 or 30 seconds is selected, press the Shutter Button and the camera will start the recording and stop automatically according to the set time.
- When "Manual" is selected, press the Shutter Button to start the recording and press the Shutter Button to stop the recording, the file length can be unlimited because it depends on the media capacity.

### Note

The TFT LCD Monitor will show "Low Light!" as a warning to remind you that the video which you are going to record is in a low light environment. It is suggested not to record the video or to record it in a stronger light environment.

### 3.1.4. Set Up Mode

Please set the Mode Dial at Set Up Mode ( $\S_{1}^{m}$ ) and press Menu Button to enter "Set Up" menu table. Use Up Direction Button ( **(**) and Down Direction Button (**V**) to move the color bar to

the feature you would like to set up. Press Right Direction Button

(>) to enter the setting and select your preferred setting using

Up (  $\blacktriangle$  ) and Down (  $\bigtriangledown$  ) Direction Buttons.

Press Right Direction Button (  $\blacktriangleright$  ) to confirm the new setting or press Menu button to cancel the setting. When the LCD Display is back to the "Set Up" menu table, please check if the new setting is shown on the right side of the LCD screen. If the new setting is not shown please repeat the above procedure.

#### I. Set Up Beep Sound (Preset at On)

Please set the Mode Dial at Set Up Mode ( SET ) and press Menu Button to enter

"Set Up" menu table.

- I. Select "Beep".
- 2. Press Right Direction Button ( ).
- Select "On" to activate the beep sound or select "No" to cancel the beep sound.
- 4. Press Right Direction Button ( ) to confirm the setting.

#### II. Set Auto Power Off (Preset at Cancel)

I.Select "Power Off".

- 2. Press Right Direction Button ( 🍉 ).
- Select the time of auto power at "5 minutes" or "10 minutes". Or select "Cancel" to cancel auto power off function.
- 4. Press Right Direction Button ( ) to confirm the setting.

#### III. Set Date Stamp (Preset On)

- I. Select "Date Stamp".
- 2. Press Right Direction Button ( ).
- 3. Select "On" to activate date print or select" Off" to cancel date imprint.
- 4. Press Right Direction Button ( ) to confirm the setting.

#### IV. Set Date Type

- I. Select "Date Type".
- 2. Press Right Direction Button ( ).
- 3. Select the following date types: YY/MMM/DD: Year/Month/Date MM/DD/YY: Month/Date/Year DD/MM/YY: Date/Month/Year
- 4. Press Right Direction Button ( > ) to confirm the setting.

#### V. Date Set Up (Preset at 2002/01/01)

- I. Select "Date Setup".
- 2. Press Right Direction Button ( ).
- Use Up (▲) and Down (▼) Direction Buttons to change the numbers.
- Use Right (▶) and Left (◄) Direction Buttons to confirm and move to next.
- 5. Press Right Direction Button ( ) to confirm the setting.

#### VI. Set Up Quick View (Preset at On)

- I. Select "Quick View".
- 2. Press Right Direction Button ( ).
- 3. Select "On" to activate quick view or select "Off" to cancel quick view.
- 4. Press Right Direction Button ( ) to confirm the setting.

### Note

The quick view is to show the image that you just captured on the TFT LCD one second after each shot.

#### VII. Set Up Language (Preset at English)

- I. Select "Language".
- 2. Press Right Direction Button ( ).
- 3. Select the language that you prefer. There are English, French, German, Spanish, Italian, Traditional Chinese and Simplified Chinese for you to select.

#### VIII. Reset to Default Setting

- I. Select "Reset".
- 2. Press Right Direction Button ( ).
- 3. Select "Yes" to reset to default setting or select "No" not to reset to default setting.
- 4. Press Right Direction Button ( >) to confirm the setting.

### 3.2. Take Pictures

- I. Switch on the power by sliding the Power Switch to the side.
- Set the Mode Dial at Recording Mode () for still image capture or Video Mode () for videos.
- 3. If you would like to capture a still image, please set the focus switch at correct focus range which are:

Macro ( 🗳 ): 18~25cm

Portrait ( 💽 ): 80cm~1.3m

Normal (
): I.3m~infinity

- 4. Set up all the preferred features and functions.
- 5. Hold still and press the Shutter Button.
- 6. The Indication LED will start blinking after the Shutter Button is released. After the Indication LED stops blinking then you are able to proceed to the next shot.

# 4. PC DEPENDENT FEATURES

### Preparations

To use the PC dependent functions, you need to install your digital camera software and connect the camera to your PC.

### 4.1. Installing digital camera software

- If your operation system is Windows 98, please setup the DC 2300 driver first, if the operation system is Windows ME/2000/XP, then it's not necessary for you to setup driver in advanced, please refer to the descriptions of Universal Plug and Play installation instruction below.
- It's recommended that you setup driver and software before connecting digital still camera to your PC for smooth installation. Normally, a software installation menu appears automatically after this installation CD is inserted into your CD-ROM drive.



 Click on each item to start installing the software program of your choice. If the menu did not appear, please browse the CD and find a program file named "setup.exe" in the root directory and double-click on it. The menu will appear. If you want to know the content of this CD and install software manually, please refer to the descriptions of the CD content below.

### 4.2. The Software of this Installation CD

| Software                 | Description  |
|--------------------------|--|
| I. PhotoBase             | Arcsoft PhotoBase 3.0, for you to find and<br>organize your media-files efficiently. You can use<br>it to creat a slide show, a web album, or a video<br>postcard, then sharing these media-files with<br>your friends through internet.   |
| 2. PhotoImpression       | ArcSoft PhotoImpression 3.0, it is an easy-to-<br>use photo editing and creative design program.<br>You can edit and retouch your photos, then add<br>special effects or place them in cards, calendars,<br>frames and fantasy templates. PhotoImpression<br>also includes a wide variety of printing options. |
| 3. VideoImpression       | Arcsoft Video Impression 1.6, for you to edit<br>and combine the video files. New videos can be<br>created by existing video, animation, and image<br>files,quickly and easily create desktop video<br>presentations for use at home, business or on<br>the internet.  |
| 4. PhotoPrinter Pro.     | Arcsoft Photo Printer this versatile<br>printing utility lets you print out casually, it can<br>be several different images on a single sheet of<br>paper. It's as simple as opening your image,<br>selecting from an assortment of templates and<br>clicking Print.   |
| 5. Microsoft DirectX 8.1 | Microsoft DirectX 8.1, an all-in-one and closs-<br>platform media tool.  |
| 6. Acrobat reader        | Adobe Acrobat Reader 4.0.5, it's a "must have"<br>utility to read files in the popular cross-platform<br>file format "PDF".  |

### 4.3. Connect to PC

- I. If your operation system is Windows ME/2000/XP, you will not need to install the camera driver.
- 2. After the software installation is completed and the camera is connected to the PC, the PC will automatically create a new disk named Removable Disk (please see below picture). All the images stored in the Secure Digital card can be found in a folder named "100Media" which the route is "Removable Disk / DCIM / 100Media". Please note that the Removable Disk will only exist when the camera is connected to the PC.



# 5. TROUBLESHOOTING

| Symptoms                        | Causes   | Solutions  |
|---------------------------------|--|--|
| The power won't turn on.        | <ul> <li>The batteries are out of power.</li> <li>The AC power adapter is not<br/>well connected or damaged.</li> </ul>  | <ul> <li>Replace the batteries with new ones.</li> <li>Make sure the AC power is connected and it's not damaged.</li> </ul>  |
| The power turns off during use. | <ul> <li>The batteries are out of power.</li> <li>Auto power off.</li> <li>The memory card is taken out<br/>when in process of saving<br/>pictures.</li> <li>The adapter has not been<br/>connected properly.</li> </ul> | <ul> <li>Replace the batteries with new ones.</li> <li>Switch on the Power .</li> <li>Do not remove the memory card while you save the image.</li> <li>Connect the adapter correctly.</li> </ul> |

| The battery power is draining quickly.   | <ul> <li>The external temperature is too cold.</li> <li>The camera is using both old and new batteries.</li> </ul>   | <ul> <li>Keep the camera away from<br/>extreme temperatures.</li> <li>Replace all batteries with new<br/>ones.</li> </ul>  |
|--|--|--|
| The camera does not take pic-<br>tures when the shutter button<br>is pressed . | <ul> <li>The camera is not set at<br/>Recording Mode.</li> <li>The batteries are weak.</li> <li>The power has not been<br/>switched on.</li> </ul>   | Set the Mode Dial at Recording<br>Mode.     Replace the batteries with new<br>ones.     Switch on the power.   |
| The image is blurred.  | You have selected the incorrect<br>focus range.  | <ul> <li>If the subject is about 18~25 cm, select macro mode.</li> <li>If the subject is about 80~130 cm, select portrait mode.</li> <li>If the subject is beyond 130 cm, select normal mode.</li> </ul> |
| The flash does not fire.   | • The camera flash is turned off.  | • Set the flash mode to Auto Flash or Fill-in Flash mode.  |
| Incorrect date/time is displayed.  |  | • Reset Date/Time.   |
| Camera fails to work by any button or switch.                                  |  | • Removed the batteries and reload them.   |
| There is something wrong with the color of the captured image.                 | • White Balance is not set properly.   | • Reset white balance.   |
| The picture is too bright or too dark.   | • There is excessive exposure.   | • Reset exposure compensation.   |
| The TFT LCD monitor is not clear.  | • The LCD monitor plastic cover<br>is dirty.   | • You should clean the LCD cover.  |
| The camera cannot download images to the PC.                                   | Cable is not connected properly.     Camera is off.     There are no batteries or the adapter is not well connected.     OS is not Window 98/985E / 2000/ME/XP or PC is not equipped with USB port.     USB driver is not installed. | Check the cable connection.     Turn on the power.     Load new batteries or check the AC power adapter connection.     Install Windows 98/985E/2000/     ME/XP and USB Port.     Install USB Driver.    |

# 6. SPECIFICATIONS

| Image Sensor           | 1/3.2" CCD with 2.1 Mega pixels  |
|------------------------|--|
| Lens                   | f=5.6mm (35mm film equivalent : 43mm)<br>F3.5 / F8.0   |
| Digital Zoom           | 1.1 to 4.0 (0.2/Step)  |
| Viewfinder             | Optical virtual image viewfinder   |
| LCD Monitor            | I.6" color TFT LCD (80k pixels)  |
| Focusing               | Fixed Focus with three steps manual adjustment   |
| Focusing Range         | Macro:18-25cm,Portrait:0.8-1.3m, Normal: 1.3m-infinity   |
| Shutter                | Mechanical shutter and Electrical shutter  |
| Shutter Speed          | 1/4~ 1/1000 sec. Mechanical shutter<br>1/1000 sec. Electrical shutter  |
| Exposure               | Program AE / Exposure compensation $\pm$ 2EV (0.5EV / step)  |
| ISO Equivalent         | 100,200 (Automatic)  |
| White Balance          | Auto / Daylight / Fluorescent / Tungsten / Sunset  |
| Flash                  | Auto / Fill-in flash / Flash off / Auto & Red - eye reduction /<br>Slow sync   |
| Flash Range            | 0.8 ~ 3.0m   |
| Self-timer             | 10 seconds with LED indicator  |
| Movie Clips            | Size : 320x240   |
|                        | Recording time : 10~30 sec. (10sec./steps) and Manual<br>(unlimited length)  |
| Storage                | Recording time : 10~30 sec. (10sec./steps) and Manual<br>(unlimited length)<br>Internal memory: 8MB flash memory;<br>External memory: support SD Card  |
| Storage<br>File Format | Recording time : 10~30 sec. (10sec./steps) and Manual<br>(unlimited length)<br>Internal memory: 8MB flash memory;<br>External memory: support SD Card<br>Still Image: JPEG (DCF), DPOF;<br>Movie Clip: AVI |

| Image size            | Extra-Large: 2048x1536 (by interpolated),<br>Large: 1600x1200 pixels,<br>Medium: 1280x960 pixels,<br>Small : 640x480 pixels |
|-----------------------|---|
| Image Play            | Single image / AVI play / Thumbnails / Slide show   |
| Interface             | Digital output connector: USB<br>DC power input connector: 3.3V   |
| Power Source          | 2 pcs of AA alkaline / 2 pcs of Ni-MH batteries.<br>AC adapter (Optional)   |
| Dimensions<br>(WxHxD) | 94 x 66 x 40 mm   |
| Weight                | 140g (without batteries and card)   |

| System Requirments |  |  |
|--------------------|--|--|
| FOR WINDOWS        | PC with processor better than MMX Pentium 233MHz<br>Windows 98/985E/2000/ME/XP<br>Minimum 64MB RAM<br>100MB of available hard-disk space<br>USB port<br>CD-ROM drive<br>800x600 pixels, 16-bit color display compatible monitor.<br>(24-bit color display recommended) |  |

# 7. SERVICE INFORMATION

### Technical support

If you encountered problems using Digital Camera 2300 and the camera driver program, please send an E-mail (containing detailed descriptions of the problem you came upon, the hardware and software environment of your system) to the following addresses:

USA: support-sc@BenQ.com

Europe: service@BenQ-eu.com

Taiwan: service-tw@BenQ.com

China: service\_china@BenQ.com

### Asia and other countries: support@BenQ.com

For free driver program updates, product information and news release, please visit the following web address:

http://www.BenQ.com.tw/global/