1.0 Table of Contents

User Manual

2.0 Cautions

- Do not try to disassemble the camera by yourself, which may damage the camera or cause electric shock.

- Do not fire the flash in a close distance (less than 1 meter); it may hurt your eyes.

- Keep the camera away from the reach of children or animals to prevent them from swallowing the batteries or small accessories.

- Stop using the camera if any kind of liquid or foreign object enters the camera. If it happens, power off the camera and contact your dealer for help.

- Do not operate this camera with wet hands; it may cause electric shock.

- The camera may be damaged in an environment of high temperature.

- To avoid electricity leakage, please remove the battery if the camera is expected not to be in use for a long period.

- It is normal that the temperature of the camera body rises if the camera works for a long time.

> **Small Tip to Save You Big Headache**
> A digital camera is in a way very similar to a computer. If the digital camera hangs itself during operation, please follow the procedures below and most likely the camera can be re-activated.
> 1. Remove the battery.
> 2. Reload the battery.
> 3. Switch on the camera.

3.0 Overall Introduction

3.1 Accessories

Digital Camera	Camera Driver & Software CD	User Manual	USB Cable

Wrist Strap	Camera Pouch	2xAA Batteries

3.0 Overall Introduction

3.2 External View

Top
- Shutter Button
- Microphone

Side
- USB Connector
- Battery/ Memory Card/ Chamber Cover

- Strap Eyelet
- Power Button

Front
- LED
- Flash
- Lens

3.3 Display Information

Back
- Playback Button
- Delete/ Exposure / AWB / ISO Button
- Play / Pause / Up Button
- Self- timer / Left Button
- Flash / Right Button
- Menu Button
- Voice Memo / Down Button
- Mode Button
- Wide/ Tele Button
- LCD Montior
- Tripod Socket

1 Battery Status
( ) Battery Full
( ) Battery Half Drained
( ) Battery Drained

2 Working & Scene Mode
( ) Image Shooting Mode
( ) Playback Mode
( ) Movie Clip Mode
( ) Voice Recording Mode
( ) Auto Mode
( ) Sport Mode
( ) Night Mode
( ) Portrait Mode
( ) Landscape
( ) Backlight

3 ( ) WARNING:
Holding Camera Stable

4 Flash Mode
( ) Auto Flash
( ) Red-Eye
( ) Fill-in Flash
( ) Slow Sync
( ) Flash Off

5 Self-timer
( ) 10 Seconds
( ) 2 Seconds

6 ( ) Voice Memo

7 Focus Range
( ) Macro

8 Metering
( ) Multi
( ) Spot

9 Shooting
( ) Continuous
Single

10 ISO Value
( ) Auto   ( ) 400
( ) 100   ( ) 800
( ) 200

11 ( ) Exposure ±2

12 W. Balance
( ) Auto
( ) Daylight
( ) Cloudy
( ) Tungsten
( ) Fluorescent

13 ( ) Memory Card Inserted

14 Sharpness
( ) Soft
( ) Normal
( ) Vivid

15 Quality
( ) S. Fine
( ) Fine
( ) Normal

16 Size
(16M) (Via interpolation)
(9M)
(5M)
(3M)
(VGA)

17 (100) Available Shots

18 Zoom Status Indicator
( ) 3.0X Optical Zoom & 8.0X Digital Zoom

4.0 Getting Ready

4.1 Turn on/off Camera
✦ By pressing the Power Button can turn on the camera.
✦ By pressing again the Power Button can turn off the camera.

4.2 Loading the battery
1. Power off the camera.
2. Slide out the battery cover to open it.
3. Follow the polarity indications and load the battery.
4. Close the Battery Cover.

✦ The indication of the battery status.
( ): Battery power is full.
( ): Battery power is half drained.
( ): Battery power is drained. Replace with a new battery.
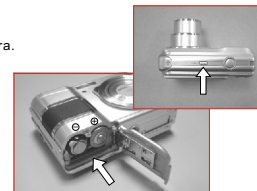
✦ The battery may run out if the battery is kept inside the camera for a long time without using. Please remove the battery when the camera is not in use.
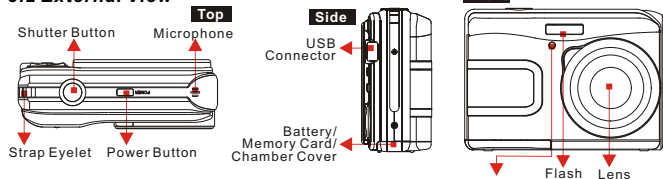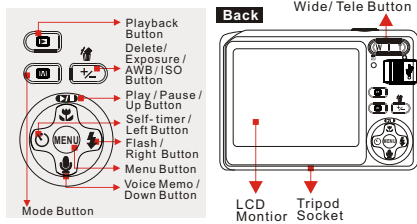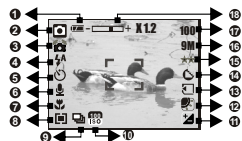✦ The battery may not work normally under 0°C or over 40°C.

4.3 Insert/Remove Memory Card
1. Power off the camera.
2. Open the Battery Cover.
3. Insert the memory card into the card slot and press it down until a click sound happens.
4. Please press the memory card again to get it out once a click sound happens.
5. Close the Battery Cover.

4.4 Attaching Wrist Strap
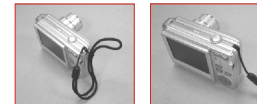
5.0 Buttons & Function

5.1 Power
✦ By pressing the Power Button can turn on the camera. By pressing again the Power Button can turn off the camera.
✦ If there is no operation during the specified time, the camera will power off automatically.

Power
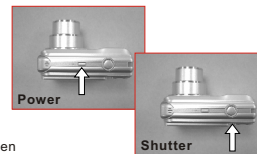
5.2 Shutter
✦ Press the shutter button half way to do the focusing and then press the shutter button fully down to capture an image.

Shutter

5.3 Tele/Wide
✦ Push up the Tele Button, the Zoom Bar Indicator appearing on the top side of the LCD Monitor and it shows the current zoom status.
✦ Push down the Wide Button, the Zoom Bar Indicator will go back to the Wide view.
✦ The camera allows maximum 3.0x optical zoom and 8.0x digital zoom.

1 (3.0X)   2 (8.0X)
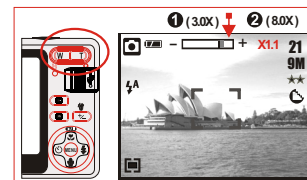
5.0 Buttons & Function

5.4 Playback
✦ Select the Playback Mode by pressing the Playback Button (▶).
✦ Playback Mode will show still images, movie clips and voice clips.
✦ Select an image by Press Left and Right Button.

5.5 Mode

Still Image	Movie Clip	Voice Recording
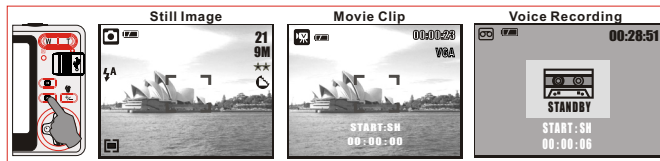
5.6 Delete & +/-
✦ In Shooting Mode, you can press Delete Button (🗑 & +/-) to adjust the EV, ISO, and White Balance.

5.6.1 EV
✦ Press Left/Right Button to set the Exposure Value. You can adjust from -2.0EV to +2.0EV (at 0.3EV increment).
✦ After the preferred value is chosen press Menu/OK Button to confirm the setting.
✦ The higher the EV value, the brighter the image will be.
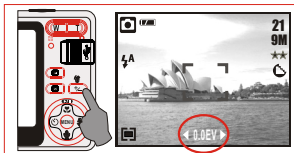
5.6.2 ISO
✦ Press Right/Left Button to set the ISO Value and select the Menu/OK Button to confirm.
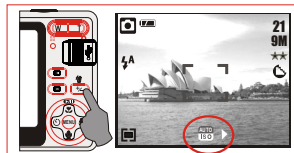
5.6.3 WB
✦ Press Right/Left Button to set the White Balance Value and select the Menu/OK Button to confirm.

	Auto	Adjusting the white balance automatically
	Day light	Under the strong light environment
	Cloudy	Under the cloudy light environment
	Tungsten	Under the tungsten light environment
	Fluorescent	Under the fluorescent light environment
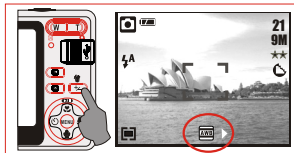
5.0 Buttons & Function

5.7 Menu/OK
✦ Press Menu/OK Button to go to the menu selection.
✦ When the menu is displayed on the LCD monitor, the Menu/OK Button is used for shifting the cursor to the sub menu or for confirming data.

5.7.1 Up/Play & Pause/Macro
✦ Press the Up Button ( ) to move up the submenu cursor.
✦ When the menu is not displayed on the LCD monitor, the Up Button( ) operates as macro function .
✦ The Up Button also operates as Play & Pause function to play movie clip file in Playback Mode.

5.7.2 Right/Flash
✦ Press the Right Button (⚡) to move the cursor to the right tab.
✦ The Right Button (⚡) also operates as Flash function.

5.7.3 Down/Voice Memo
✦ Press the Voice Button (🎤) to move the cursor to the down tab.
✦ There are two ways you can add your voice over to a stored still image.
    1. Shooting Mode
    2. Playback Mode

5.7.4 Left/Self-Timer
✦ Press the Left Button to move the cursor to the left tab.

With the 10 sec. Self-timer ( ):Image will be taken after 10 seconds once the shutter is released.
With the 2 sec. Self-timer ( ):The image will be taken after 2 seconds once the shutter is released.

Note:
Night Scene Under Shooting Mode
Press the Down Button, and then select Left/ Light Button to adjust the value of the Long Time Shutter which ranged from Auto,1/8,1/4,1/2,1,2,3,4. Press Menu/OK Button to confirm the value you select.

# 6.0 Still Image Mode

6.1 Shooting
✦Taking a Pictures
    1. Press POWER Button to power on the camera
    2. Press Shutter Button half way to focus
    3. Press Shutter Button fully to capture
✦Using the Zoom
    Press the zoom lever ( ) toward T or W

⚠ You are recommended to shoot with the camera attached with the tripod or other device if the Hand Shaking( )appears.
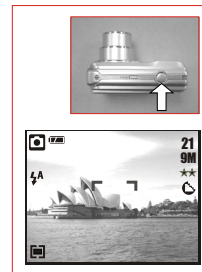
6.2 Menu Mode
6.2.1 Size (Default:9M)
✦This feature is for you to select the image resolution.
    (16M) 4608 x 3456   (5M) 2560 x 1920   (VGA) 640 x 480
    (9M) 3488 x 2616   (3M) 2048 x 1536

6.2.2 Quality (Default: Fine)
✦This feature is for you to select the image quality.
    ( ) S. Fine (Super Fine)
    (★★) Fine
    (★) Normal

6.0 Still Image Mode

6.2.3 Sharpness (Default:Normal)

VIVID	⟳	This effect can turn the edges of The captured image look sharper but may result in more image noise.
NORMAL	⟳	This effect can turn the edge of the captured image look sharp, which is suitable for printing out.
SOFT	⟳	This effect can turn the edge of the captured image look smoother, which is suitable for image editing on PC.

6.2.4 Saturation(Default:Normal)
High
Normal
Low

6.2.5 Effect (Default:Normal)

NORMAL	No special effect is added to the picture.
NEGATIVE	Turn the image into negative film effect .
SEPIA	Turn the image into yellowish brown.
B&W	Turn the image into black and white.

6.2.6 Metering (Default:Multi)
With Metering Setting, you can get more superior exposure condition and capture a brighter picture.

(▦) Multi Metering:
Exposure will be evaluated according to the average of the available light sources in the image area. This is suitable for general use.

(▣)Spot Metering:
If the subject is against the light source or has little contrast, you can use this function to have the subject be brighter.

6.2.7 Scene Mode (Default: Auto Mode)
This feature is for you to select the scene of the image from the follow options:
(🅰) Auto Mode
(🏃) Sport Mode
(🌙) Night Mode
(👤) Portrait Mode
(🏔) Landscape
(🖼) Backlight

6.2.8 Shooting(Continuous)(Default:Single)
1. Single: Single Image shooting.
2. Continuous Shooting (🔲): Press Shutter Button
   to start the continuous shooting function and on
   hold and ending by letting go of Shutter Button.

Note: The Continuous Shooting function
will not be cancelled until " Single" is chosen.

7.0 Movie Clip Mode

7.1 Movie Recording
✦ Recording
  1.Press POWER Button to power on the camera
  2.Press MODE Button to convert to Movie Clip Mode
  3.Press Shutter Button to start movie recording
  4.Press Shutter Button again to stop recording

7.2 Movie Size
✦ The video size options are
  provided as follows:
   1.VGA   : 640 x 480
   2.QVGA:320 x 240

Menu	
Size	VGA
Setup	Next Menu
◄ Back	Execute : OK

Menu	
Size	VGA
Setup	VGA / QVGA / enu
◄ Back	Execute : OK
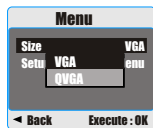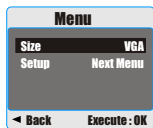
8.0 Voice Recording Mode

1. Press Mode Button and select Voice Recording Mode (🎙).
2. Press Shutter Button to start the recording and press Shutter Button to stop the recording.
3. Press Play/Pause Button (▶/‖)
   during recording can put
   the recording on hold and
   press the Play/Pause Button
   again to continue the recording.

9.0 Playback Mode

9.1 Playback of Still Image
✦ Please press Playback Button to view the images taken.
✦ Press the Right or Left Button to go to or back to the next or last image.

Note:The icon (🎵) shows up when viewing still image comes with a voice memo.
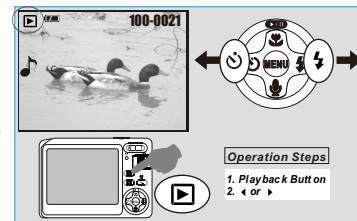
Operation Steps
1. Playback Button
2. ◄ or ►

9.2 Playback of Movie Clip
✦ Press Playback Button to play the Movie Clips.
✦ Press the Up Button to play or pause the movie clip.
✦ When play the Movie Clips, press the Menu Button and select 2X, 4X, 8X to adjust the Fast Forward speed.
✦ When play the Movie Clips, press the Left/Self-Timer Button to play backward and press the Menu Button to select the 2X, 4X and 8X Backward speed.
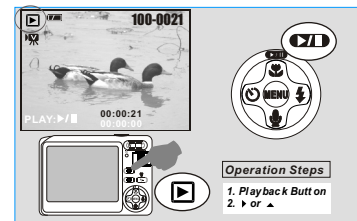
Operation Steps
1. Playback Button
2. ► or ▲

Note:The icon (🎞) on the top left of the LCD Monitor represents a Movie clip, not a still image.

9.3 Thumbnail Display(Small Images)
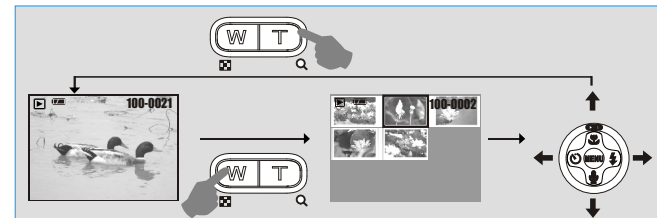
1.Thumbnail Display is a convenient tool for you
  to find the image you took from the list.
2.You can press WIDE Button to have Thumbnail
  Display.

9.0 Playback Mode

9.4 Exploring an Image
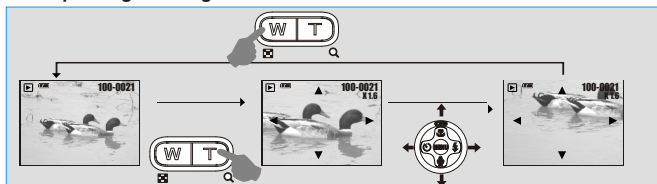
1. Press down the TELE Button and you can see the enlargement of the image.
2. Use the TELE/WIDE Button to zoom in or to zoom out.
3. Use the UP/DOWN/LEFT/RIGHT Button to locate the position you would like to review.
4. Press down the WIDE Button to return to the original Playback Mode.

9.5 Slide

1. This option enable you to view your photos with slide show.
2. There are 3 interval options available.
   3 sec.
   5 sec.
   10 sec.

```
                Menu                  Operation
                                      Steps
   Slide              3 sec.
   Pro  3 sec.        Menu            1.OK
   Del  5 sec.        Menu            2.▲ or ▼
   Cop                               3.OK
   DPO  10 sec.
   ▼
   ◄ Back        Execute : OK
```

9.6 Protect

Set Selected Image(s) With Protection
1. Press the OK/Menu Button and select "PROTECT".
2. Press OK/Menu Button.
3. Select one image and press OK/Menu Button to Execute.
4. (🔒) will show on the LCD Monitor when the protection is set.
5. Press OK/Menu Button to confirm the request for the protection of the selected image(s).
6. To cancel the protection, select Cancel and press OK/Menu Button.
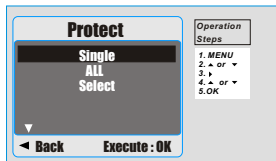
Set All Images With Protection
1. Press the OK/Menu Button and select "PROTECT".
2. Select "ALL" and press OK/Menu Button to Execute the request.

```
               Protect               Operation
                                     Steps
            Single                   1. MENU
            ALL                      2. ▲ or ▼
            Select                   3. ►
                                     4. ► or ▼
            ▼                        5. OK
            ◄ Back      Execute : OK
```

9.0 Playback Mode

9.7 Delete

Delete Single Image
1. Select the image you'd like to delete and press the Delete Button (🗑).
2. Press OK/Menu Button to proceed or press left button to cancel the request.

Delete All Image(s)
1. Select "ALL" and press the OK/Menu Button.
2. Press OK/Menu Button to confirm the request or press left button to cancel the request.

Delete Selected Image
1. Choose "Select" and press OK/Menu Button.
2. Select the image you'd like to delete and press OK/Menu Button.

```
                Menu                  Operation
                                      Steps
   Slide              3 sec.
   Protect       Next Menu            1.OK
   Delete        Next Menu            2.▲ or ▼
   Copy to Card                       3.◄ or OK
   DPOF
   ▼
   ◄ Back        Execute : OK
```

```
               Delete                 
            Single
            ALL
            Select
            ▼
            ◄ Back      Execute : OK
```
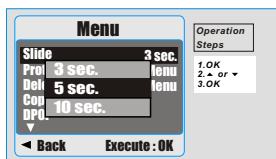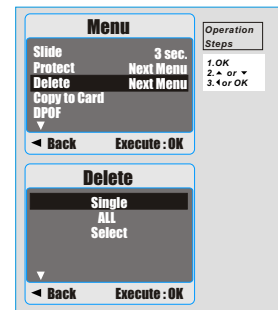
9.8 Copy To Card
✦ This function allows you to copy the images stored in the internal flash memory into the memory card.

```
                Menu                  Operation
                                      Steps
   Slide              3 sec.
   Protect       Next Menu            1.OK
   Delete        Next Menu            2.▲ or ▼
   Copy to Card                       3.◄ or OK
   DPOF
   ▼
   ◄ Back        Execute : OK
```
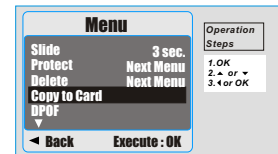
9.9 DPOF
✦ This function can only be used when a memory card is inserted.
✦ This option allows you to put the print quantity (MAX.30 pcs) on your memory card.
  [SINGLE] - specifies the number of copies for a selected image.
  [ALL] - specifies the number of copies for all pictures apart from movie clips and voice recording files.
  Note: You cannot see the "PRINT" function on the LCD Monitor if a memory card is not inserted.

```
                Menu                  Operation
                                      Steps
   Slide              3 sec.
   Protect       Next Menu            1.OK
   Delete        Next Menu            2.▲ or ▼
   Copy to Card                       3.◄ or OK
   DPOF
   ▼
   ◄ Back        Execute : OK
```

```
      DPOF          Operation      Print Enable     Operation       Single        Operation
                    Steps                           Steps                          Steps
    SINGLE          1. MENU          Cancel         1.▲ or ▼      Print Num        1.▲ or ▼
    ALL             2. ▲ or ▼        Execute        2.OK          Print            2.OK
                    3. ►                                          ▲
                    4.OK                                          0
                                                                  ▼
    ◄ Back  Execute : OK   ◄ Back  Execute : OK     ◄ Back  Execute : OK
```
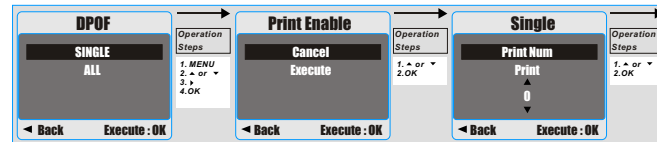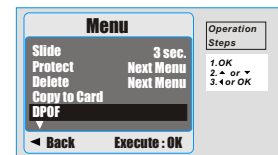
10.0 SETUP Mode

You can enter SETUP Mode by press the OK/Menu Button and select SETUP.

Setup
Auto Off   3.Min.
Language   English
Format   Net Menu
Date Input   Net Menu
Imprint   off
◄ Back   Execute : OK

Setup
Beep   On
Light Freq.   50Hz
Q.View   On
Sys. Reset   Net Menu
USB   Disk Drive
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3. ►
4. ▲ or ▼
5.OK

Note:
1.Auto Off
2.Language
3.Format
4.Date Input
5.Imprint
6.Beep
7.Light Freq.
8.Q. View
9.Sys. Reset
10.USB

10.1 Auto Off
To set up the power saving time.
1. Press OK/Menu Button and select "SETUP".
2. Select "Auto Off".
3. Select the time you prefer and press OK/Menu Button to confirm the setting.
4. You can select "OFF" to cancel.

Note:
If set "OFF", the camera will not turn off automatically. The battery may get drained if the camera is power on for a long time.

Setup
Auto Off   3.Min.
Langua   1 Min.   nglish
Format   3 Min.   Menu
Date In 5 Min.   Menu
Imprint Off   off
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3. OK
4. ▲ or ▼
5.OK
6. ▲ or ▼
7.OK

10.2 Language
There are 12 languages available to select:

1.English
2.French
3.German
4.Italian
5.Spanish
6.Portuguese
7.Traditional Chinese
8.Simplified Chinese
9.Japanese
10.Thai
11.Turkish
12. Russian

Setup
Auto Off   3.Min.
Language   English
Format   Net Menu
Date Input   Net Menu
Imprint   off
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3. OK
4. ▲ or ▼
5.OK

Language
English
Francais
Deutsch
Italiono
Espanol
◄ Back   Execute : OK

Operation Steps
1. ▲ or ▼
2.OK

10.3 Format
This function allows you to format the memory card or the built-in flash memory.

Setup
Auto Off   3.Min.
Langua Cancel   nglish
Format Execute   Menu
Date Input   Net Menu
Imprint   off
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

10.4 Date Input
This function allows you to set up the type of date & time.

Setup
Auto Off   3.Min.
Langua   Off   nglish
Format   Execute t Menu
Date In   t Menu
Imprint   off
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

1. YYYY/MM/DD
2. DD/MM/YYYY
3. MM/DD/YYYY

10.5 Imprint
This function allows you to print the date or date & time on the captured image.

Setup
Auto Off   3.Min.
Langua   Off   glish
Format   Date Only Menu
Date In Date & Time Menu
Imprint   off
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

10.6 Beep
This function allows you to switch on/off button sound.

Setup
Beep   On
Light Freq   On   50Hz
Q.View   Off   On
Sys. Re   Menu
USB   Disk Drive
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

10.7 Light Freq.
The Light Frequency setting is for Anti-flicker.

50Hz: UK, Germany, Italy, Spain, France, Netherlands, China, Japan, Portugal.
60Hz: U.S.A., Taiwan, Korea, Japan.

Setup
Beep   On
Light Freq.   50Hz
Q.View   60Hz   On
Sys. Re 50Hz   Menu
USB   Drive
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

Note: The horizontal flicker in artificial light source environment occurred if select the wrong frequency.

10.8 Q. View
If you select Q. View "On", you can view the captured image on the LCD Monitor.
Q. View is possible only with still image.

Setup
Beep   On
Light Fr   On   50Hz
Q.View   Off   On
Sys. Reset   Net Menu
USB   Disk Drive
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

10.9 Sys. Reset
This function is to recall all default values except the Date, Time and Language.

Setup
Beep   On
Light Freq.   50Hz
Q.View   Cancel   On
Sys. Re   Execute   Menu
USB   Drive
◄ Back   Execute: OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

10.10 USB
You can select an external device to which you want to connect the camera by using USB Cable.

Setup
Beep   On
Light F   PC Cam   50Hz
Q.View   Disk Drive On
Sys. Re   Printer   Menu
USB   Drive
◄ Back   Execute : OK

Operation Steps
1. MENU
2. ▲ or ▼
3.OK
4. ▲ or ▼
5.OK

10.10.1 PC Cam:
a. Install the PC Cam Driver on your computer.
b. Select USB setting as PC Cam.
c. You can start PC Cam function after you set up the MSN messenger or AMCAP.

10.10.2 Disk Drive:
When Disk Drive is selected, the camera will automatically go to the connected Disk Drive and turn off LCD Monitor. You can have a new movable disk to download images to your computer.

10.10.3 Printer:
Connect with printer and select Printer via PictBrdge function, you can select the detailed options of printer.

11.0 PictBridge Mode

11.1 Connecting the Camera to a PictBridge-supported Printer

1. Power On both the camera and the printer.
2. Press the MENU Button to go to SETUP Mode.
3. Go to USB and select PRINTER for printer connection.
4. Use the supplied USB Cable to connect the camera to the PictBridge-supported printer as shown above to print out the stored images.
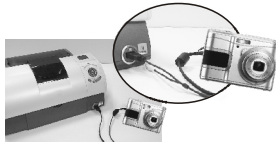
11.2 Select pictures to print
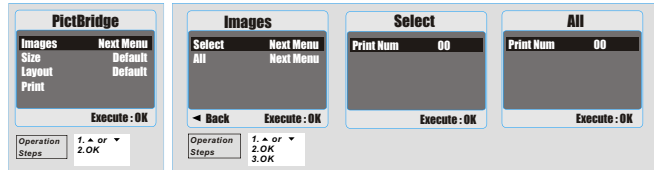
[SELECT]: The PictBridge function will be applied only to the picture currently displayed on LCD Monitor.
[ALL] : The PictBridge function will be applied to all pictures.

Setting the Number of Copies to Print
1. Select [SELECT] or [ALL] where you can set the number of copies to print.
2. Press the Up/Down Button to select the number of print out copies. Maximum 30 prints.
3. Use the Left/Right Button to select images and select the number of prints for another picture.
4. Press OK Button to save.
5. Go back to PictBridge main menu and select PRINT to start printing.

11.3 Custom Set

You can select the Paper Size and Layout before print out the images.
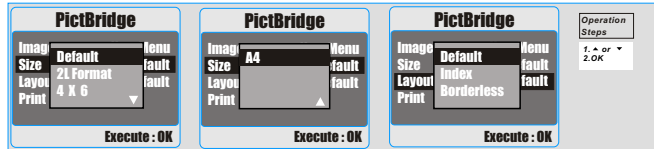
SIZE	Setting the size of the printing paper. The size formats will depends on the printer supported function.
LAYOUT	Setting the number of pictures to be printed on a sheet of paper.

12.0 Software Application

12.1 ArcSoft MediaImpression™

- ArcSoft MediaImpression™ manages your media for you, and gives you tons of fun and exciting ways to create and share projects featuring your photo, video, and music files. Edit, enhance and add creative effects to your photos.
- Create your own movies or photo slide shows,complete with soundtrack.
- Upload your files easily to YouTube™!
- Or share them through simple email attachments or popular photo printing.
- For more information click to http://www.arcsoft.com/ .

12.2 Easy Link With YouTube by Arcsoft

Click "**Extra**"

- Be a Movie Maker by login & upload with Legal and Safety Software.
- Browse & Upload in YouTube with ArcSoft MediaImpression by follow the steps below:
  1. Select "YouTube Account Setup".
  2. Select "Step 1" to login YouTube account.
  3. Select "YouTube Account" or "Google Account" to login.
  4. Select "Step2" to get authorization.
  5. Click "Allow" to get permission.
  6. User will see "User Name" after login.
  7. Select the file you want to upload and click "Upload to YouTube"

13.0 Appendix

Error Message Table

Messages	Causes	Solutions
CARD FULL	There is insufficient card memory capacity for storing an image.	Delete the stored image(s) in the memory card or insert a new memory card.
MEMORY FULL	There is insufficient internal memory capacity for storing an image.	Delete the stored image(s) in the flash memory.
PROTECTED CARD	The memory card is under protection.	Set the card protection switch at non -protection position.
FILE PROTECT	The Image can not be deleted under protection.	Unlock the protected image.
NO IMAGE	There is no image stored in the memory card or built-in flash memory.	
FILE ERROR	File format error.	Insert a new memory card or format the built-in flash memory.
MEMORY ERROR	Memory is damaged or fails.	Format the memory card or built-in flash memory.
CARD ERROR	Card is damaged or fails.	Insert a new memory card.
LOW BATTERY ! (ICON BLINKING)	Battery power is drained.	Insert a new battery.
LOW LIGHT!	The environment is too dark in Flash off or "Night Scene".	Set the flash mode at Auto Flash or Fill-in Flash.
HAND SHAKE ICON	The environment is too dark in Flash off or "Night Scene".	Avoid shake.Set the flash mode at Auto Flash or Fill -in Flash.
NO PAPER!	Paper has run out.	Please put more paper in the paper tray of the Printer
Camera Hangs		1. Remove the battery.2. Reload the battery. 3. Switch on the camera.

14.0 Specification

Image Sensor	Type		1/2.3" 9M CMOS Sensor
	Effective Pixels		Approx. 9.12 Mega Pixels (3,488 x 2,616)
Lens	Lens Type		Auto Focus 3X Zoom Lens
	F No.		F2.8~F4.8
	Digital Zoom		Still Image mode: 1.0X ~ 8.0X
			Play mode: 1.0X ~ 8.0X (depends on image size)
LCD Display			2.4" Color TFT LCD
Focusing	Type		Auto Focus
	Range		Normal: 60cm ~ infinity Macro: 5cm~60cm (Wide only)
Shutter	Type		Mechanical and Electrical Shutter
	Speed		Normal: 1/4 sec. - 1/4000 sec., Night Scene: 4 sec. - 1/8 sec.
Exposure	Control		Programmed AE
	ISO Equivalent		Auto, 100, 200, 400, 800
Flash	Modes		Auto, Red Eye, Slow Sync, Fill-in Flash, Flash Off
Effect			Normal, Sepia, Negative, B&W
White Balance			Auto, Daylight, Cloudy, Fluorescent, Tungsten
Voice recording			Voice Recording (depends on capacity)
			Voice Memo in Still Image (max. 10 sec.)
Date Imprinting			Date, Date & Time, Off (user selectable)
Shooting	Still Image	Mode	Single Image, Continuous Shooting (3 shots in VGA/3M/5M/9M not in 16M)
		Image Size	[16M]: 4608 X 3456 pixels (by interpolation), [9M] : 3488 X 2616 pixels [5M]: 2560 X 1920 pixels, [3M]: 2048 X 1536 pixels, [VGA]: 640 X 480 pixels
		Image Quality	Super Fine, Fine, Normal
	Self-Timer		10 sec. , 2 sec.
	Scene mode		Auto, Sport, Night, Potrait, Landscape, Backlight
	Movie Clip	Movie Size	QVGA (320x240),VGA (640x480)
		Frame Rate	QVGA (25~30fps),VGA (15~20fps)
		Zoom	Optical Zoom: up to 3.0X
Storage	Media		Internal memory: 16M flash memory
			External memory: supporting SD card (up to 8G SDHC)
	File Format	Still Image	JPEG (DCF), EXIF 2.2, DPOF 1.1, PictBridge 1.0
		Movie Clip	MJPEG, 320x240 (QVGA), 640x480(VGA), with audio
		Audio	Audio for Voice Recording and Memo: WAV
PictBridge (Direct Printing)			Yes
Image Play	Type		Single Image, Thumbnails, Slide Show, Movie Clip
Interface			Digital output connector: USB 1.1 Full Speed
			Other interface: MIC-in, Buzzer Out (No Speaker)
Power Source			2 pcs of AA alkaline, Ni-MH Battery
Dimensions (WxHxD)			87.3 x 62.7 X 29.9 mm
Weight			Approx.120g (without battery and card)
Software	Camera Driver		Mass Storage Driver for Window 2000/ME/XP, Vista32/64
	Application		Arcsoft MediaImpression
			(Windows: 2000/XP/Vista)

System Requirements

For Windows	• PC with processor better than MMX Pentium 233MHz (XP: Pentium II 300MHz) • Windows 2000 Professional (SP4)/Windows ME/ Windows XP (SP2)/Window Vista • Minimum 64MB RAM (XP: 128MB) • 140MB of available hard-disk space • USB port (1.1 or 2.0 standard interface) • CD-ROM drive • 800×600 pixels, 16-bit color display compatible monitor (24-bit color display recommended)
For Macintosh	• Power Mac G3 or later • Mac OS 10.0 or later • Minimum 64MB RAM • 110MB of available hard-disk space • USB port, • CD-ROM Drive • QuickTime6.0 or Later for MPEG4 SP Movie Clip

"Specifications and product design are subject to change without any notice for further improvement"