

INTOVA
CP 9

DIGITAL CAMERA

User's Manual



- English
- Spanish
- French
- Italiano
- Portuguese
- German
- Dutch
- 繁中
- 简中

FCC STATEMENT

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

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

Note:

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

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

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again.

READ THIS FIRST

Trademark Information

- Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.
- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Inc.
- SD™ is a trademark.
- SDHC™ is a trademark.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

- Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.
- The product and accessories that come with your camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, chargers, AC adapters, memory cards, cables, pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.
- The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.
- The manufacturer assumes no liability for any errors or discrepancies in this user manual.

SAFETY INSTRUCTIONS

Read and understand all **Warnings** and **Cautions** before using this product.

Warnings

If foreign objects or water have entered the camera, turn the power off and remove the batteries.

Continued use might cause fire or electric shock. Consult the store of purchase.



If the camera has fallen or its case has been damaged, turn the power off and remove the batteries.

Continued use might cause fire or electric shock. Consult the store of purchase.



Do not disassemble, change or repair the camera.

This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase.



Do not use the camera in areas near water.

This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore.



Do not place the camera on inclined or unstable surfaces.

This might cause the camera to fall or tilt over, causing damage.



Keep the batteries out of the reach of children.

Swallowing the batteries might cause poisoning. If the batteries are accidentally swallowed, immediately consult a physician.



Do not use the camera while you are walking, driving or riding a motorcycle.

This might cause you to fall over or result in traffic accident.



Please use batteries with complete external seals.

Do not use batteries from which the seals have been damaged or removed. This may cause leakage, explosion, or injury.



Cautions

Load the batteries paying careful attention to the polarity (+ or -) of the terminals.

Loading the batteries with their polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking.



Do not fire the flash close to anyone's eyes.

This might cause damage to the person's eyesight.



Do not subject the LCD monitor to impact.

This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water. If the internal fluid has entered your eyes, consult a physician to receive treatment.



A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera.

This might cause damage to the camera.



Do not use the camera in humid, steamy, smoky, or dusty places.

This might cause fire or electric shock.



Do not remove the batteries immediately after long period of continuous use.

The batteries become hot during use. Touching a hot battery might cause burns.



Do not wrap the camera or place it in cloth or blankets.

This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.



Do not leave the camera in places where the temperature may rise significantly, such as inside a car.

This might adversely affect the case or the parts inside, resulting in fire.



Before you move the camera, disconnect cords and cables.

Failure to do this might damage cords and cables, resulting in fire and electric shock.



Notes on Battery Usage

When you use the batteries, carefully read and strictly observe the **Safety Instructions** and the notes described below:

- Use only the specified batteries.
- Avoid extremely cold environments as low temperatures can shorten the battery life and reduce camera performance. Therefore Ni-MH rechargeable batteries are highly recommended.
- When you are using a new rechargeable batteries or rechargeable batteries that have not been used for an extended period of time (the batteries that passed the expiry date are exception), it may affect the number of images that can be captured. Therefore, to maximize their performance and lifetime, we recommend that you fully charge the batteries and discharge them for at least one complete cycle before use.
- The batteries may feel warm after a long period of continuous use of the camera or the flash. This is normal and not a malfunction.
- The camera may feel warm after a long period of continuous use. This is normal and not a malfunction.
- If the batteries are not to be used for a long period of time, remove them from the camera to prevent leakage or corrosion and store them after no battery power is left. Stored for a long time in a fully charged condition, their performance may be impaired.
- Always keep the battery terminals clean.
- There is a risk of explosion if the batteries are replaced by an incorrect type.
- Dispose of used batteries according to the recycle instructions.
- Charge the rechargeable batteries fully before using for the first time.
- Never use batteries of different types (together) or mix old and new batteries.
- Never use manganese batteries.
- To prevent short-circuiting or fire, keep the batteries away from other metal objects when carrying or storing.



This symbol mark [crossed-out wheeled bin] indicates separate collection of waste batteries in the EU countries. The batteries provided with this product shall not be treated as household waste. Please use the return and collection systems available in your country for the disposal of the waste batteries.

If a chemical symbol is printed beneath the symbol mark, this chemical symbol means that the batteries contains a heavy metal at a certain concentration. It is indicated as follows:

Hg: mercury, Cd: cadmium, Pb: lead.

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INTRODUCTION

Overview

Congratulations on your purchase of the new digital camera.

Capturing high-quality digital images is fast and easy with this state-of-the-art smart camera. Equipped with a 9.0-megapixel sensor, this camera is capable of capturing images with a resolution of up to 3472 x 2604 pixels.

Package Contents

Carefully unpack your camera and ensure that you have the following items:

Common Product Components:

- Digital Camera
- Quick guide
- Software CD-ROM
- USB cable
- Camera strap
- 2 x AAA size batteries

Optional Accessory:

- SD/SDHC memory card

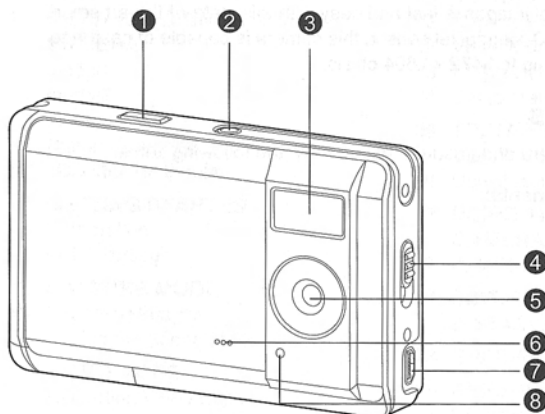


-
- Accessories and components may vary by retailer.

GETTING TO KNOW YOUR CAMERA

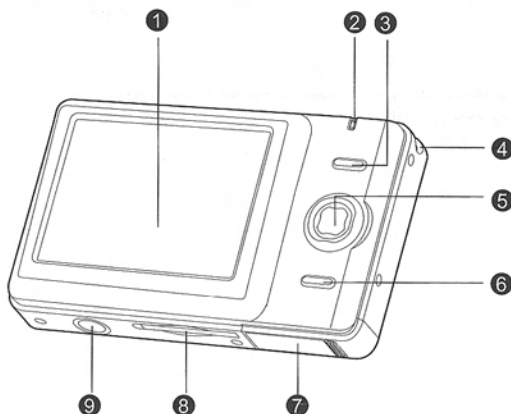
modell

Front View



- 1. Shutter button
- 2. Power button
- 3. Flash
- 4. Focus switch
 - ▲ Normal mode
 - ▼ Macro mode
- 5. Lens
- 6. Microphone
- 7. USB connector
- 8. Self-timer LED

Rear View

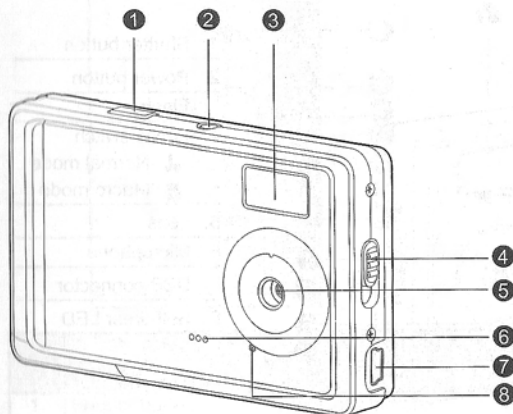


- 1. LCD monitor
- 2. Status LED
- 3. SET SET button
 - Q Digital Zoom button
- 4. Strap holder
- 5. 4-way control button
- 6. ▶ Playback button
- 7. Battery cover
- 8. SD/SDHC memory card slot
- 9. Tripod socket

* There are 3 models in this series. The only difference is in appearance.

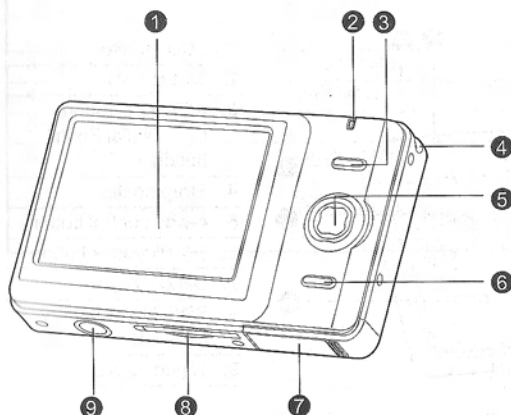
model2

Front View



1. Shutter button
2. Power button
3. Flash
4. Focus switch
 - ▲ Normal mode
 - 🌸 Macro mode
5. Lens
6. Microphone
7. USB connector
8. Self-timer LED

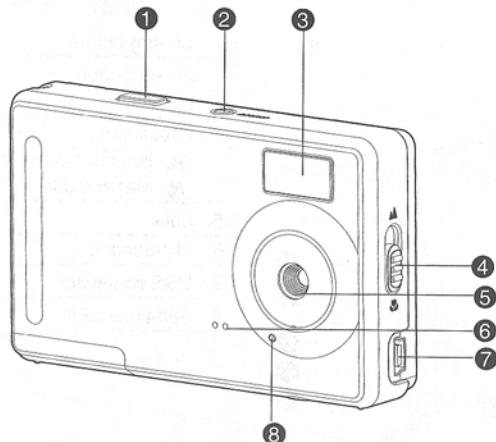
Rear View



1. LCD monitor
2. Status LED
3. **SET SET** button
 - Q Digital Zoom button
4. Strap holder
5. 4-way control button
6. Playback button
7. Battery cover
8. SD/SDHC memory card slot
9. Tripod socket

modelB

Front View



1. Shutter button

2. Power button

3. Flash

4. Focus switch

▲ Normal mode

🌸 Macro mode

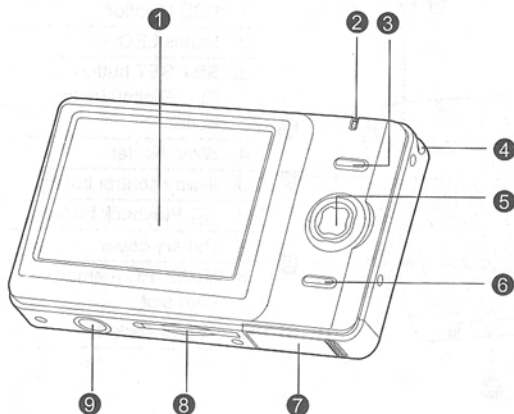
5. Lens

6. Microphone

7. USB connector

8. Self-timer LED

Rear View



1. LCD monitor

2. Status LED

3. SET SET button

Q Digital Zoom button

4. Strap holder

5. 4-way control button

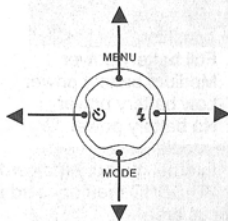
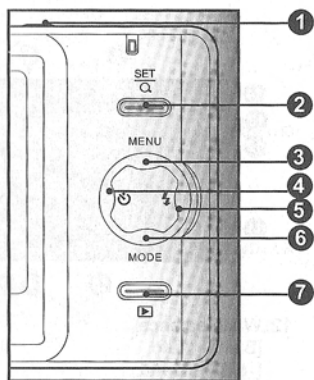
▶ Playback button

7. Battery cover

8. SD/SDHC memory card slot

9. Tripod socket

Button Operation

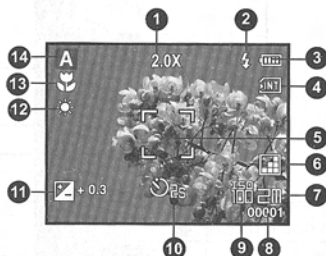


Item	Function		
	Capture Mode	Video Mode	Playback Mode
1.	Shutter button	Record button	Still image: to capture mode Video clip: to video mode
2.	Digital zoom	--	Still image: to magnify still image Video clip: to play video clip
3.	Capture menu	Video menu	Playback menu
4.	Self-timer	Self-timer	Previous image
5.	Flash	--	Next image
6.	Video mode	Capture mode	Still image: to capture mode Video clip: to video mode
7.	Playback mode	Playback mode	Still image: to capture mode Video clip: to video mode

LCD Monitor Display

Capture mode

1. Zoom status
2. Flash mode
[Blank] Auto
[⚡] Flash On
[🔋] Flash Off
[👁] Red-eye
3. Battery condition
[🔋] Full battery power
[🔋] Medium battery power
[🔋] Low battery power
[🔋] No battery power
4. Storage media
[💾] Internal memory (no card)
[SD] SD/SDHC memory card
5. Main focus area
6. Image quality
[📊] Fine
[📊] Standard
[📊] Economy
7. Image size resolution
[12M] 3968 x 2976 (FW interpolation)
[9M] 3472 x 2604
[6M] 2816 x 2112
[4M] 2304 x 1728
[2M] 1600 x 1200
[VGA] 640 x 480
8. Available number of shots
9. ISO
[Blank] Auto
[64] ISO 64
[100] ISO 100
[200] ISO 200
[400] ISO 400
10. Self-timer icon
[🕒] 2 sec.
[🕒] 10 sec.
11. Exposure value



12. White balance
[Blank] Auto
[🔥] Incand.
[💡] Fluoresc.1
[💡] Fluoresc.2
[🌞] Daylight
[☁] Cloudy
13. Focus setting
[📏] Normal
[🌸] Macro
14. Mode icon / Scene mode
[A] Auto
[🏃] Sports
[🌃] Night scene
[👤] Portrait
[🏞] Landscape
[🌙] Backlight
[P] Program AE

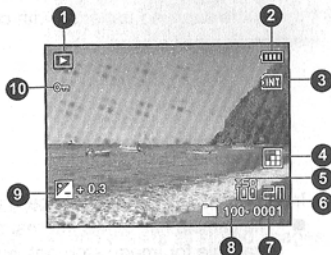
Video mode

1. Flash mode
2. Battery condition
3. Storage media
4. Main focus area
5. Video quality
6. Video resolution
7. Available recording time/Elapsed time
8. Self-timer icon
9. Focus setting
10. Mode icon



Playback mode - Still image playback

1. Mode icon
2. Battery condition
3. Storage media
4. Image quality
5. ISO
6. Image size resolution
7. File number
8. Folder number
9. Exposure value
10. Protect icon



Playback mode - Video playback

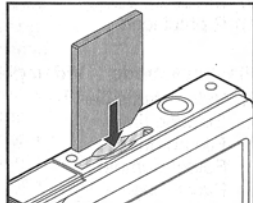
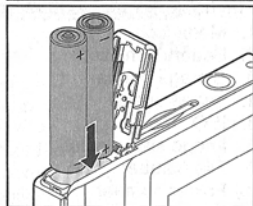
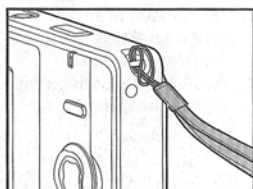
1. Video status bar
2. Elapsed time
3. File number
4. Folder number
5. Play mode
6. Mode icon
7. Protect icon
8. Total recorded time



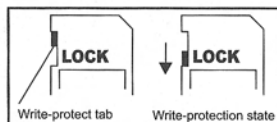
GETTING STARTED

Preparation

1. Attach the camera strap.
2. Open the battery/memory card cover.
3. Insert the supplied batteries with correct orientation as shown.
4. Insert an SD/SDHC memory card (Optional).
 - The camera has 32MB internal memory (26MB available for image storage), but you can load an SD/SDHC memory card to expand the camera's memory capacity.
 - Be sure to format the memory card with this camera before its initial usage.
5. Close the battery/memory card cover and make sure it is locked securely.



- To prevent valuable data from being accidentally erased from an SD/SDHC memory card, you can slide the write protect tab (on the side of the SD/SDHC memory card) to "LOCK".
- To save, edit, or erase data on an SD/SDHC memory card, you must unlock the card.
- To prevent damaging of an SD/SDHC memory card, be sure to turn off the power when inserting or removing the SD/SDHC memory card. If inserting or removing the SD/SDHC memory card with the power on, the camera will automatically turn off.



Initial Settings

Choosing the Language

Specify in which language menus and messages are to be displayed on the LCD monitor.

1. Press the **MODE** button, and set the camera mode to [A] or [M]; or press the **▶** button.
2. Press the **MENU** button.
3. Select [Setup] menu with the **▶** button.
4. Select [Language] with the **▲ / ▼** buttons and press the **SET** button.
5. Select the displayed language with the **▲ / ▼** buttons and press the **SET** button.
 - The setting will be stored.
6. To exit from the [Setup] menu, press the **◀** button.



Formatting the Memory Card or Internal Memory

This utility formats the memory card (or internal memory) and erases all stored images and data.

1. Press the **MODE** button, and set the camera mode to [A] or [M]; or press the **▶** button.
2. Press the **MENU** button.
3. Select [Setup] menu with the **▶** button.
4. Select [Format] with the **▲ / ▼** buttons, then press the **SET** button.
5. Select [Execute] with the **▲ / ▼** buttons, and press the **SET** button.
 - To cancel formatting, select [Cancel] and press the **SET** button.
6. To exit from the [Setup] menu, press the **◀** button.

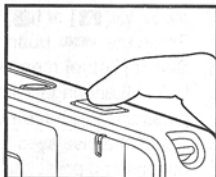


CAPTURE MODE

Capturing Images

Your camera is equipped with a 2.36" full color TFT LCD monitor to help you compose images, playback recorded images/video clips or adjust menu settings.

1. Press the **ON/OFF** button to turn the power on.
2. Press the **MODE** button, and set the camera mode to [**A**] or any scene mode.
 - To activate the digital zoom, press the **SET** button. The status of digital magnification is displayed on the LCD monitor.
3. Compose your scene and press the shutter button to capture the image.

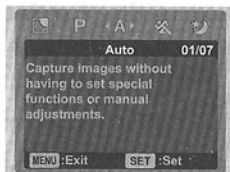


- The digital magnification ranges from 1.0x to 6.0x.
- As you record video clips, the zoom function cannot be activated.

Setting the Scene Mode

By simply selecting one of the available 7 scene modes, you can capture the image with the most appropriate settings.

1. Press the **MODE** button, and set the camera mode to [**A**] or any scene mode.
2. Press the **MENU** button.
3. Select [Scene] with the **▲ / ▼** buttons, then press the **SET** button.
4. Select the desired scene mode with the **◀ / ▶** buttons, and press the **SET** button.
5. Compose the image and press the shutter button.



The table below will help you choose the appropriate scene mode:

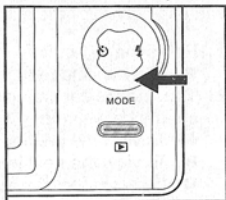
Scene mode	Description
A Auto	Select this mode when you want to capture images without having to set special functions or manual adjustments.
Sports	Select this mode when you want to capture fast-moving subjects.
Night scene	Select this mode when you want to capture dark scenes such as night views.
Portrait	Select this mode when you want to capture an image that makes a person stand out against a blurred background.
Landscape	Select this mode when you want to capture an image with infinity focus, hard sharpness and high saturation.
Backlight	Select this mode when you want to capture images when the light comes from behind the object.
P Program AE	This mode allows you to manually set parameters other than the shutter speed and the aperture value.

VIDEO MODE

Recording Video Clips

This mode allows you to record video clips at a resolution of 320 x 240 / 640 x 480 pixels.

1. Press the **MODE** button, and set the camera mode to [].
2. Compose the image.
3. Press the shutter button.
 - The recording of the video clip will start.
 - Pressing the shutter button one more time will end the recording of the video clip.
 - The recording time depends on the storage size and the subject of the image to be recorded.
 - The zoom function cannot be used during video recording.



- When recording a video clip, the flash cannot be used.
- If the write speed of your SD/SDHC memory card is not fast enough for recording video clips in the currently selected quality, the video recording will stop. In this case, select a video quality lower than the current one.

Playing Back Video Clips

You can play back recorded video clips on the camera.

1. Press the button.
 - The last image appears on the screen.
2. Select the desired video clip with the / buttons.
3. Press the button.
 - A press of the / buttons during playback allows fast forward play / fast reverse play.
 - To stop video playback, press the button. This stops playback and returns to the start of the video clip.
 - To pause video playback, press the button. This pauses video playback. To cancel pause, press the button again.



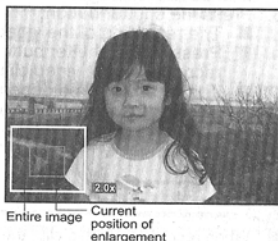
- Video clips cannot be displayed rotated or enlarged.
- This camera does not have a built-in speaker so that you can not play back sound with the camera. The sound recorded with video clips can only be played back on computers.
- Windows Media player or QuickTime Player is recommended to play back the video clip on your computer.
- QuickTime Player is a free media player available at www.apple.com; and compatible with Mac and Windows computers.
- For more information about the operation of the media player, refer to its respective help documentation.

PLAYBACK MODE

Playing Back Still Images

You can play back the still images on the LCD monitor.

1. Press the  button.
 - The last image appears on the screen.
2. The images can be displayed in forward or reverse sequence with the  /  buttons.
 - To view the previous image, press the  button.
 - To view the next image, press the  button.
 - Pressing the  button enlarges the image. The digital magnification ranges from 1.0x to 4.0x.



- An  icon is displayed with the video data. Video clips cannot be rotated.

Erasing Images

Erasing a single image / Erasing all images

1. Press the  button.
 - The last image appears on the screen.
2. Select the image you want to erase with the  /  buttons.
3. Press the MENU button.
4. Select [Delete] with the  /  buttons, and press the  button.
5. Select [Single] or [All] with the  /  buttons, and press the  button.
 - [Single]: Erases the selected image or the last image.
 - [All]: Erases all of the images except for the protected images.
6. Select [Execute] with the  /  buttons, and press the  button.
 - To not erase, select [Cancel], and press the  button.



- Deleting an image will not affect sequential image numbering. For example, if you delete image number 240, the next captured image will be numbered 241 even though 240 no longer exists. In other words, an image-number is retired when an image is deleted and will not be reused or reassigned to another subsequently captured image.

Protecting Images

Set the data to read-only to prevent images from being erased by mistake.

1. Press the button.
 - The last image appears on the screen.
2. Select the image that you want to protect with the / buttons.
3. Press the MENU button.
4. Select [Protect] with the / buttons, and press the button.
5. Select [Single] or [All] with the / buttons, and press button.
6. Select [Set] with the / buttons, and press the button.
 - The protect icon [] is displayed with protected images.
When [All] has been selected, [] is displayed with all the images.



Canceling the Protection

To cancel protection for only one image, display the image on which you want to remove the image protection.

1. Press the button.
 - The last image appears on the screen.
2. Select the image that you want to cancel protection with the / buttons.
3. Press the MENU button.
4. Select [Protect] with the / buttons, and press the button.
5. Select [Single] or [All] with the / buttons, and press the button.
6. Select [Cancel Protect] with the / buttons, and press the button.



- Formatting an SD/SDHC memory card overrides protection, and erases all images regardless of their protected status.

MENU OPTIONS

Capture Menu

This menu is for the basic settings to be used when capturing still images.



1. Press the **ON/OFF** button to turn the power on.
2. Press the **MODE** button, and set the camera mode to [**A**] or any scene mode.
3. Press the **MENU** button.
4. Select the desired option item with the **▲ / ▼** buttons, and press the **SET** button to enter its respective menu.
 - The selectable items may vary in different capture modes.
5. Select the desired setting with the **▲ / ▼** buttons, and press the **SET** button.
6. To exit from the menu, press the **◀** button.

Scene

Refer to the section in this manual titled "Setting the Scene Mode" for further details.

Size

This sets the size of the image that will be captured.

- * [12M] 3968 x 2976 (FW interpolation)
- * [9M] 3472 x 2604
- * [6M] 2816 x 2112
- * [4M] 2304 x 1728
- * [2M] 1600 x 1200
- * [VGA] 640 x 480

EV

You can manually adjust the exposure determined by the digital camera. Use this mode when the proper exposure cannot be obtained, for example, when the contrast (difference between light and dark) between the subject and the background is extremely large. The EV compensation value can be set in the range from -2.0EV to +2.0EV.

ISO

This sets the sensitivity for capturing images. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixelated (grainier) the image will appear.

- * [Blank] Auto
- * [64] ISO 64
- * [100] ISO 100
- * [200] ISO 200
- * [400] ISO 400

Quality

This sets the quality (compression) at which the image is captured.

- * [] Fine
- * [] Standard
- * [] Economy

W. Balance

This sets the white balance for a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

- * [Blank] Auto
- * [] Incand.
- * [] Fluoresc.1
- * [] Fluoresc.2
- * [] Daylight
- * [] Cloudy

Sharpness

This sets the sharpness of the image that will be captured.

- * Hard / Standard / Soft

Color

This sets the color of the image that will be captured.

- * Standard / Vivid / Sepia / B&W

Saturation

This sets the saturation of the image that will be captured.

- * High / Standard / Low

Metering

This sets the metering method for calculating the exposure.

- * Center: Averages the light metered from the entire frame, but gives greater weight to the subject matter at the center.
- * Spot: A very small portion of the center of the screen is measured to calculate the correct exposure.
- * Average: The exposure is measured all of the image area.

Video Menu

This menu is for the basic settings to be used when recording video clips.



1. Press the **MODE** button, and set the camera mode to [VGA].
2. Press the **MENU** button.
3. Select the desired option item with the $\blacktriangle$ / $\blacktriangledown$ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the $\blacktriangle$ / $\blacktriangledown$ buttons, and press the **SET** button.
5. To exit from the menu, press the $\blacktriangleleft$ button.

Size

This sets the size of the video clip that will be captured.

- * [] 640 x 480
- * [] 320 x 240

Quality

This sets the quality (compression) at which the video clip is captured.

- * [] Fine
- * [] Standard

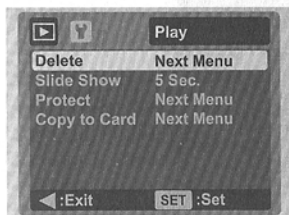
Color

This sets the color of the video clip that will be captured.

- * Standard / Vivid / Sepia / B&W

Playback Menu

In the [] mode, choose which settings are to be used for playback.



1. Press the [] button.
2. Press the MENU button.
3. Select the desired option item with the ▲ / ▼ buttons, and press the $\frac{SET}{Q}$ button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the $\frac{SET}{Q}$ button.
5. To exit from the menu, press the ◀ button.

Delete

Refer to the section in this manual titled "Erasing Images" for further details.

Slide Show

This function enables you to play back your still images automatically in order one image at a time.

* 3 Sec. / 5 Sec. / 10 Sec.

Protect

Refer to the section in this manual titled "Protecting Images" for further details.

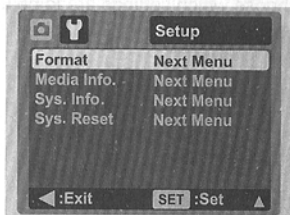
Copy to Card

Allows you to copy your files from the camera's internal memory to an SD/SDHC memory card. Of course, you can only do this if you have a memory card installed and some files in internal memory. All files remain in the internal memory, even after copy to the SD/SDHC memory card from the internal memory.

* Cancel / Execute

Setup Menu

Set your camera's operating environment.



1. Press the **MODE** button, and set the camera mode to [**A**] or [**📷**]; or press the **▶** button.
2. Press the **MENU** button, and select the [Setup] menu with the **▶** button.
3. Select the desired option item with the **▲** / **▼** buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the **▲** / **▼** buttons, and press the **SET** button.
5. To exit from the menu, press the **◀** button.

Language

Refer to the section in this manual titled "Choosing the Language" for further details.

Auto Off

If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful for reducing battery usage.

* 1 Min. / 2 Min. / 3 Min. / Off

Beep

This sets whether or not to mute the camera sound each time you press the camera's buttons.

* On / Off

Display

This sets the image information display state.

* Default / All / Off

Fr. No. Reset

This creates a new folder. The captured images are recorded to the newly created folder from number 0001.

* Cancel / Execute

Light Freq.

This camera supports different lighting frequencies: 50 Hz and 60 Hz. When photographing under fluorescent lighting, select the correct frequency setting depending in your local area's voltage.

* 50 Hz / 60 Hz

LCD Bright.

Select a brightness level for the LCD monitor.

* Standard / Bright

Format

Refer to section in this manual titled "Formatting the Memory Card or Internal Memory" for further details.

Media Info.

This displays the free capacity of the internal memory or the memory card.

Sys. Info.

This displays the firmware version of the camera.

Sys. Reset

This returns all basic settings to the camera's default settings.

* Cancel / Execute

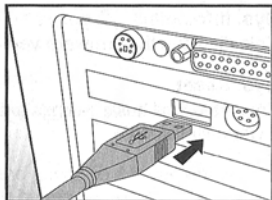
TRANSFERRING FILES TO YOUR COMPUTER

System Requirement

Windows	Macintosh
■ Pentium III 1GHz or equivalent ■ Windows 2000/XP/Vista ■ 512MB RAM ■ 150MB available hard disk space ■ CD-ROM drive ■ Available USB port	■ PowerPC G3/G4/G5 ■ OS 9.0 or later ■ 256MB RAM (512 MB recommended) ■ 128MB available hard disk space ■ CD-ROM drive ■ Available USB port

Downloading Your Files

1. Connect one end of the USB cable to an available USB port on your computer.
2. Connect the other end of the USB cable to the USB terminal on the camera.
3. Turn on your camera.
4. Select [PC] using the ▲ / ▼ buttons and press the **SET** button.
5. From the Windows desktop, double click on "My Computer".
6. Look for a new "removable disk" icon.
 - This "removable disk" is actually the memory (or memory card) in your camera. Typically, the camera will be assigned drive letter "e" or higher.
7. Double click on the removable disk and locate the DCIM folder.
8. Double click on the DCIM folder to open it to find more folders.
 - Your recorded images and video clips will be inside these folders.
9. Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.



Mac users: Double-click the "untitled" or "unlabeled" disk drive icon on your desktop. iPhoto may automatically launch.

USING THE CAMERA AS A PC CAMERA

Your camera can act as a PC camera, which allows you to videoconference with business associates, or have a real-time conversation with friends or family. To use the camera for videoconferencing, your computer system must include the items as below:

- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection

Install the PC camera driver

The PC-camera driver included in the CD-ROM is exclusively for Windows. The PC camera function is not supported for Mac platforms.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. Follow the on-screen instructions to complete the installation.
3. After the driver installation is completed, restart your computer.



- Make sure to install and launch a videoconferencing application software to activate the PC-camera function.

EDITING SOFTWARE INSTALLATION

There are 2 types of software that are included on the CD-ROM:

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. Create your own movies or photo slide shows, complete with soundtrack; edit, enhance, and add fun creative effects to your photos; and share your files easily through simple email attachments or popular photo printing and video sharing websites.

Print Creations - brings you a family of fun and easy print-project software that brings out the creativity in you. You can personalize the designs with your own digital pictures and text based on professionally designed templates and layouts. Projects can be printed at home or saved as image files for sharing with family and friends by email or the web.

To install software:

1. Insert the CD-ROM that came with the camera into your CD-ROM drive.
The welcome screen appears.
2. Click the respective software name.
Follow the on-screen instructions to complete the installation.



- For more information about the operation of the software, refer to its respective help documentation.
- For Windows 2000/XP/Vista users, please make sure to install and use the software in "Administrator" mode.
- The software is not supported by Mac.

SPECIFICATIONS

Item	Description
Image sensor	1/2.3" CMOS sensor (9.0 megapixels)
Image resolution	Still image 12M (3968 x 2976)(FW interpolation), 9M (3472x2604) , 6M (2816X2112) , 4M (2304x1728), 2M (1600 x 1200) , VGA (640 x 480) Video clip VGA (640x480), QVGA (320x240)
LCD monitor	2.36" full color TFT LCD (112.3K pixels)
Recording media	32MB internal memory (26MB available for image storage) Supports SD/SDHC memory card (up to 8GB) (optional)
File format	DCF, JPEG (EXIF 2.2), Motion-JPEG (AVI)
Lens	Aperture range: 3.0 Focal length: 7.90mm (equivalent to 45mm on a 35mm camera)
Focus Range	Macro: 0.65m to 1.3m Normal: 1.3m to infinity
Shutter speed	1 - 1/2000 sec.
Digital zoom	1 - 6x (Capture mode) 1 - 4x (Playback mode)
Terminals	USB 2.0 High Speed
Power supply	2 x AAA size batteries
Dimensions	Model1:Approx. 91 x 56.5 x 18.2mm Model2:Approx. 91.4 x 56.5 x 18.5mm Model3:Approx. 90.6 x 56 x 18mm (without protruding parts)
Weight	Model1:Approx. 85g Model2:Approx. 85g Model3:Approx. 85g (without batteries and memory card)

* Design and specifications are subject to change without notice.

APPENDIX

Possible Number of Shots

Possible number of shots (still image)

The table shows the approximate shots that you can capture at each setting based on the capacity of the internal memory and the SD/SDHC memory card.

Size	Quality	Internal Memory	SD/SDHC memory card capacity				
			512MB	1GB	2GB	4GB SDHC	8GB SDHC
 3968 x 2976 (FW interpolation)	 Fine	20	381	765	1532	3066	6154
	 Standard	25	483	968	1938	3879	7785
	 Economy	27	522	1047	2096	4195	8419
 3472 x 2604	 Fine	24	461	924	1850	3702	7430
	 Standard	27	522	1047	2096	4195	8418
	 Economy	31	589	1180	2364	4731	9494
 2816 x 2112	 Fine	27	522	1047	2097	4197	8422
	 Standard	37	700	1404	2810	5625	11287
	 Economy	41	777	1556	3115	6235	12512
 2304 x 1728	 Fine	52	978	1960	3923	7852	15757
	 Standard	58	1090	2183	4370	8747	17552
	 Economy	63	1177	2358	4721	9447	18958
 1600 x 1200	 Fine	88	1638	3281	6568	13145	26377
	 Standard	102	1901	3808	7622	15253	30608
	 Economy	109	2037	4079	8165	16341	32791
 640 x 480	 Fine	162	3001	6010	12029	24073	48306
	 Standard	192	3557	7124	14259	28536	57260
	 Economy	202	3751	7511	15033	30085	60369

Possible recording time / sec (video clip)

Size	Quality	Internal Memory	SD/SDHC memory card capacity				
			512MB	1GB	2GB	4GB SDHC	8GB SDHC
 640 x 480	 Fine	00:00:29	00:09:07	00:18:15	00:36:32	01:13:08	02:26:45
	 Standard	00:00:42	00:13:13	00:26:29	00:53:01	01:46:06	03:32:55
 320 x 240	 Fine	00:01:38	00:30:18	01:00:42	02:01:30	04:03:10	08:07:57
	 Standard	00:02:12	00:40:52	01:21:51	02:43:49	05:27:52	10:57:55

* We recommend a memory card of at least 10MB/Sec write speed to prevent auto stop or unexpected results. If you experience an error using a slower SD/SDHC memory card, you can set your camera's video recording to QVGA (320 x 240) and standard quality.

Troubleshooting

Refer to the symptoms and solutions listed below before sending the camera for repairs. If the problem persists, contact your local reseller or service center.

Symptom	Cause	Solutions / Corrective Actions
The power does not come on.	The batteries are not inserted.	Load the batteries correctly.
	The batteries are exhausted.	Replace with a new set of batteries.
The batteries or camera feels warm.	Long period of continuous use of the camera or the flash.	
Even if press the shutter button, the camera does not take a picture.	The shutter button is not pressed all the way down.	Press the shutter button all the way down.
	The memory card does not have any free capacity.	Insert a new memory card, or delete unwanted files.
	The memory card is write-protected.	Remove the write-protection.
Images do not appear on the LCD monitor.	LCD monitor is dark.	Adjust the brightness of the LCD monitor in the menu.
The contents on the memory card cannot be played back.	You played back a memory card that was not formatted by this camera.	Insert a memory card that was formatted on this camera.
Files cannot be deleted.	The file is protected.	Cancel protection.
	The memory card is write-protected.	Remove the write-protection.
Cannot download images.	The free space on the hard disk in your computer may be insufficient.	Check whether the hard disk has space for running Windows, and if the drive for loading image files has a capacity at least that of the memory card inserted in the camera.
	No power supply.	Replace with a new set of batteries.
If the camera is subjected to an accidental shock, the LCD monitor would become too dark to see anything.	The shutter is closed because of the sudden or accidental shock.	Turn the camera off, and then restart it.

The available flash settings in different photography modes:

		Auto Flash	Red-eye Reduction	Forced Flash	Flash Off
Scene Mode	 Auto	O	O	O	O
	 Sport	X	X	X	O
	 Night	X	X	X	O
	 Portrait	X	O	X	X
	 Landscape	X	X	X	O
	 Backlight	O	O	O	O
	 Program AE	O	O	O	O
Capture Mode	Single	O	O	O	O
Focus Mode	 Macro	O	O	O	O
	 Normal	O	O	O	O

* This table is for reference only and varies according to different combination of photography modes.

* O: Available X: Unavailable