

JD
JENDIGITAL **C 5.0 SL**

5.0 MEGAPIXELS

User's Guide



ENGLISH

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CAMERA OVERVIEW

SYSTEM REQUIREMENTS

Windows:

- PC with processor better than MMX Pentium 300 MHz
- Windows 98 SE (Second Edition)/2000/ME/XP
- Minimum 128 MB RAM
- USB port
- CD-ROM drive
- 1024 x 768 monitor, 24-bit color (true color)

Macintosh:

- Power Mac G3 or later
- Mac OS 9.0, 9.1, 9.2 and OS X
- Minimum 64 MB RAM
- USB port
- CD-ROM drive
- 640 x 480 monitor with thousands of color (millions of color recommended)

Specifications are subject to change without prior notice.

SAFETY INFORMATION

- Before using the camera, please ensure that you read and understand the safety precautions described below. Always ensure that the camera is operated correctly.
- Do not aim the camera directly into the sun or other intense light sources that could damage your eyesight.
- Do not try to open the case of the camera or attempt to modify this camera in any way. High-voltage internal components create the risk of electric shock when exposed. Maintenance and repairs should be carried out only by authorized service providers.
- Do not fire the flash too close to the eyes of animals or people, especially for young children. Eye damage may result. In particular, remain at least one meter away from infants when using flash.
- Keep the camera away from water and other liquids. Do not use the camera with wet hands. Never use the camera in the rain or snow. Moisture creates the danger of fire and electric shock.
- Keep the camera and its accessories out of the reach of children and animals to prevent accidents or damage to the camera.
- If you notice smoke or a strange odor coming from the camera, turn the power off immediately. Take the camera to the nearest authorized service center for repair. Never attempt to repair the camera on your own.
- Use only the recommended power accessories. Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.

FCC COMPLIANCE AND ADVISORY

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 unsatisfactory operation.

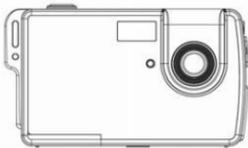
This equipment has been tested and found to comply with the limits for a Class B peripheral, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. 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 to 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.

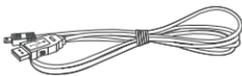
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. When shielded interface cables have been provided with the product or when specified additional components or accessories have elsewhere been designated to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulations.

PACKAGE CONTENTS

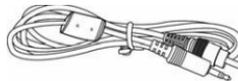
Please contact your dealer immediately if any of the items below are missing or damaged.



Camera



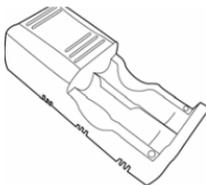
USB Cable



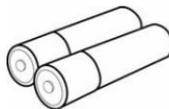
TV out cable



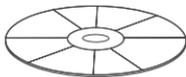
Soft Case



Battery Charger



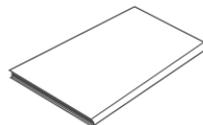
2x AAA Rechargeable Batteries



Software Installation
CD-ROM (including
multilingual User's Guide)

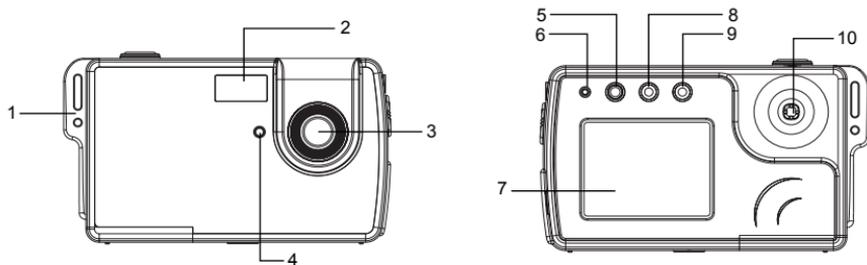


Wrist Strap



Quick Start Guide

CAMERA COMPONENTS



1. Strap mount

2. Flash

3. Lens

4. Self-timer lamp

5. Power button

6. Operation lamp

7. LCD screen

8. Camera mode button

9. MENU button

10. Multi-controller

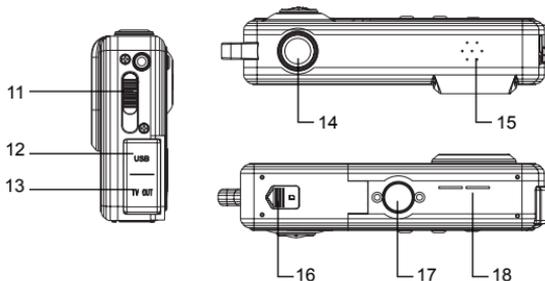
- Push upward (▲) = Set Flash mode / Move cursor up

- Push downward (▼) = Set Self-Timer / Move cursor down

- Push to right (▶) = Zoom in / Move cursor to right

- Push to left (◀) = Zoom out / Move cursor to left

- Press down = SET



11. Macro switch

12. USB port

13. TV OUT terminal

14. Shutter button

15. Microphone

16. SD Card/Battery Cover

17. Tripod Socket

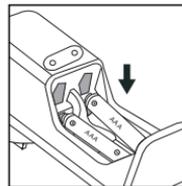
18. Speaker

PREPARING THE CAMERA

CHARGING THE BATTERIES

The supplied battery charger can charge up to two pieces of AAA and or AA size batteries.

1. Insert the supplied rechargeable batteries into the charger with its (+) and (-) ends matching the polarity indication engraved inside the charger.
2. Plug the charger into a standard AC power outlet. The green indicators will light up.
3. It will take around 25 hours for the batteries to be fully charged. When the batteries are fully charged, unplug the charger from AC outlet first, and then remove the batteries.



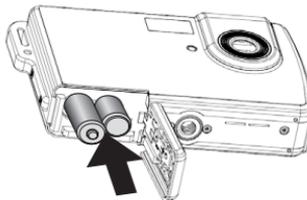
Note:

1. If the green indicators did not light up, check if the batteries are loaded correctly.
2. It is normal for batteries to become warm while charging.
3. The green indicators will remain on when batteries are fully charged. Judge if the batteries are fully charged by noting down the charging time.
4. To reduce the risk of injury, charge only Ni-MH / Ni-CD batteries with this charger. Other types of batteries might burst, causing personal injury and damage.

INSTALLING THE BATTERIES

NOTE: The supplied rechargeable batteries are not charged when you receive them. Charge them before loading them into the camera.

1. Slide the Battery/Memory Card door in the direction of the arrow, and lift it open.
2. Insert two AAA batteries with the positive (+) and negative (-) poles matching the directions indicated inside the battery cover.
3. Close the Battery/Memory Card door.



Battery Status Indications

The LCD monitor displays an icon to let you know battery status.

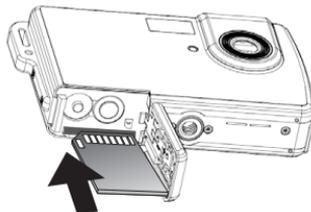
Battery Level	High Low
Indicator	

When low battery icon is shown on the LCD, recharge the batteries or replace the batteries with new ones.

INSERTING AN SD CARD

The digital camera is equipped with a 16 MB internal memory. If no SD card is inserted in the camera, all pictures/video clips/audio clips recorded by the camera will be stored in the internal memory. When SD card is inserted in the camera, all files recorded by the camera will be stored on the SD card by using the Design Rule for Camera File System (DCF) protocol. The DCF protocol is designed to accommodate file and data exchange between digital cameras and other devices. Photos that are taken by a DCF camera can be viewed on DCF-compatible cameras from other manufacturers.

1. Turn off the camera.
2. Open the Battery/Memory Card Door.
3. Insert the SD card in the direction as shown in the figure aside.
4. Close the Battery/Memory Card Door.



Note: When the SD card is being written to, read, erased or transmitted to, the green operation lamp located on the left side of the Power button will blink. Do not turn off the camera or open the Battery Memory Card Door while the LED is blinking.

To remove the SD card

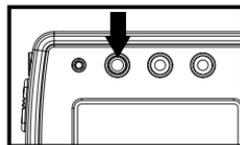
1. Turn off the camera.
2. Open the Battery/Memory Card Door.
3. Gently press on the edge of the SD card to release it.
4. Pull the card out and close the Battery/Memory Card door.

TURNING THE POWER ON/OFF

Press and hold the **POWER** button for more than 1 second to turn the camera on.

To turn off the camera

Press the **POWER** button to turn off the camera.



Note:

1. The camera will be powered off automatically after being idle for some time. The Auto-Off timing can be changed in Setup menu.
2. If the camera cannot be powered on, the batteries may be drained. Replace or recharge the battery and try again.

SETTING THE DATE AND TIME

The setting Date/Time screen will pop up when powering the camera on for the first time or when the batteries are removed for an extended time.

1. Press ◀ or ▶ to select a field to change.
2. Press ▼ or ▲ to set the values.
3. After the Date and Time is set, press the **SET** button to confirm the settings and to exit.



To adjust Date/Time or to change Date/Time format:

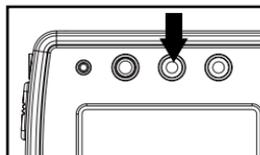
1. Press the **MENU** button.
2. Press ▶ to select the **Setup Menu**.
3. Press ▼ or ▲ to select **Date & Time** then press the **SET** button or ▶ to enter its submenu.
4. Follow steps 1-3 in the above section to set Date, Time and or Date/Time format.

SETTING THE CAMERA MODE

Press the **MODE** button to change camera mode.

	Shooting Mode	For shooting still images
	Video Mode	For shooting video clips.
	Voice Mode	For recording audio clip.
	Review Mode	For viewing the recorded images, video clips and or audio clips.

The camera mode changes as shown in the following diagram when the **MODE** button is pressed.



INFORMATION DISPLAYED ON THE LCD MONITOR

The LCD displays information such as the camera settings, remaining image capacity and shooting date etc.

Shooting Mode



- 1 Battery Status
- 2 White Balance
- 3 Exposure
- 4 Shooting Mode
- 5 Flash Mode
- 6 Macro Mode
- 7 Self-Timer
- 8 Resolution Setting
- 9 Compression Setting
- 10 Memory Type
- 11 Aperture Value
- 12 Shutter Speed
- 13 Number of Recordable Images

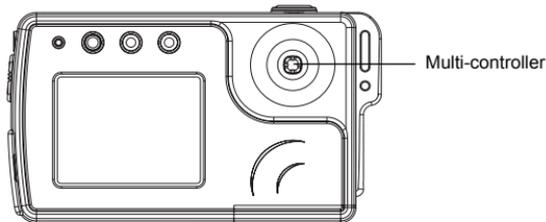
Playback Mode



- 14 Playback Mode
- 15 Protect
- 16 Display Image/Total
- 17 Memory Type
- 18 Battery Status
- 19 File Number
- 20 Shooting Date

OPERATING THE MULTI-CONTROLLER

The multi-controller is used to set shooting mode, to move cursor when the camera Menu is shown, and to confirm the selection.



Push Up ("▲" is named hereafter)

- To set Flash mode in Shooting Mode.
- To move the cursor up when MENU screen is shown.

Push to Right ("▶" is named hereafter)

- To zoom in subjects in shooting mode or to magnify image in review mode.
- To move the cursor to right when MENU screen is shown
- To enter submenu.

Push Down ("▼" is named hereafter)

- To set Self-Timer in Shooting Mode and Video Mode.
- To move the cursor down when MENU screen is shown.

Push to Left ("◀" is named hereafter)

- To zoom out.
- To move the cursor left when MENU screen is shown.
- To set Thumbnail view in Review mode.

Press Down ("SET" is named hereafter)

- To enter submenu.
- To confirm the setting.

ABOUT MENUS AND SETTINGS

Use the menus as shown below to activate the various shooting and reviewing settings.

1. Press the **MENU** button.
2. Press ◀ or ▶ to switch between the **REC/Playback Menu** and **Setup Menu**.
3. Press ▼ or ▲ to select a menu item then press the **SET** button or ▶ to enter its submenu.
4. Press the ▼, ▲, ◀ or ▶ to select the settings you wish to set then press the **SET** button.
5. Press the **MENU** button to close the menu window.



This chart shows the options for each menu settings.

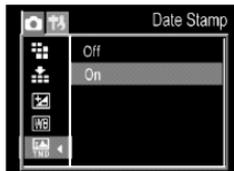
	Menu Item	Available Setting
 Shooting Mode Menu	Resolution	2592x1944,2048x1536,1280x960, 640x480
	Quality	Fine / Normal
	Exposure	+2/+1.7/+1.3/+1.0/+0.7/+0.3/Auto/-0.3/-0.7/-1.0/-1.3/-1.7/-2.0
	White Balance	Auto / Daylight / Shade / Tungsten / Fluorescent
	Date Stamp	On / Off
Setup Menu	Quick View	On / Off
	Beep	On / Off
	Power Off	Off / 1 min / 2 min
	Date & Time	Sets the date and time
	File NO. Reset	On / Off
	TV Out	NTSC/PAL
	Language	English / Traditional Chinese / Simplified Chinese / Japanese / Korean / German / French / Portuguese / Italian / Spanish / Dutch / Russian
	Format	No / Yes
 Playback Mode Menu	USB	Computer/Printer
	Protect	Single / Lock All / Unlock All
	Delete All	Single / All
	Slide Show	Off / 5 sec / 10 sec
	Print Order	Single / All / Reset
 Movie Mode REC Menu	Copy To Card	No / Yes
	Movie Resolution	640x480,320x240
	Quality	Fine / Normal
	Exposure	+2/+1.7/+1.3/+1.0/+0.7/+0.3/Auto/-0.3/-0.7/-1.0/-1.3/-1.7/-2.0
	White Balance	Auto / Daylight / Shade / Tungsten / Fluorescent

Note: MENU button is disabled in Voice mode.

DATE STAMP

By default the Date Stamp is set at OFF mode. If you want to have Date and Time shown on the pictures, set the Date Stamp to ON mode.

1. Press the **MENU** button.
2. Press ▼ or ▲ to select **Date Stamp** then press the **SET** button or ► to enter its submenu.
3. Press ▼ or ▲ to select **On** or **Off**.
4. Press the **SET** button to confirm the selection.
5. Press the **MENU** button twice to close the menu window.



SETTING THE LANGUAGE

1. Press the **MENU** button.
2. Press ► to select the **Setup Menu**.
3. Press ▼ or ▲ to select **Language** then press the **SET** button or ► to enter its submenu.
4. Press ▼ or ▲ to select a Language.
5. Press the **SET** button to confirm the setting and to close the menu window.



TAKING PICTURES

BASIC STILL IMAGE SHOOTING

1. Make sure the camera is in still image shooting mode ().
2. Frame the subject in the LCD.
3. Press the **Shutter** button fully down to capture the image.



USING THE DIGITAL ZOOM

The camera provides up to 4x digital zoom.

1. Press  to zoom in subject for a telephoto shot.
 - The zoom indicator shows the current approximate zoom factor.
2. Press  to zoom out for a wide angle shot.

The current approximate zoom factor



USING THE FLASH

Use the flash according to the guidelines below.

	Auto	The camera judges if a flash is required. If the environment is too dark, the flash will fire.
	Force On	The flash always fires.
	Force Off	The flash does not fire.

1. Press  to switch between flash modes.
 - The selected flash mode icon appears on the LCD monitor.
2. Shoot the image.



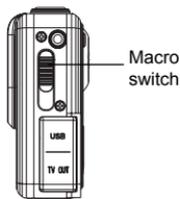
Note:

1. The indicator beside the Power button will blink in red when the camera is charging the Flash. Wait until the indicator stops blinking then to take a flash picture.
2. When batteries are low, the Flash will be disabled. If you found that the Auto Flash () or Force Flash () cannot be activated by pressing  , replace or recharge the batteries.

TAKING CLOSE-UP PICTURES

Use the macro mode to shoot close-up of subjects in the range of 20 cm (7.87 inches).

- Slide the Macro switch to the () position.
 - The  icon appears on the LCD monitor.
- Shoot the image.



Note:

- Always remember to slide the Macro switch back to Landscape position () when close-up shooting is not required.
- Focus range mentioned is the distance between the camera lens surface and the subject.

SETTING THE IMAGE QUALITY AND RESOLUTION

You can change the image quality and resolution to suit your purpose. Higher settings contain more details and have larger file sizes.

- Press the **MENU** button.
- Press  or  to select **Resolution** or **Quality** then press the **SET** button or  to enter its submenu.
- Press  or  to select the settings you wish to set then press the **SET** button.
- Press the **MENU** button to close the menu window.



Resolution		Purpose
 (Large)	2592 x 1944	Print large prints
 (Medium 1)	2048 x 1536	Print on small size paper
 (Medium 2)	1280 x 960	Send images by e-mail
 (Small)	640 x 480	Shoot more images

Image Quality		Purpose
 Fine	Fine	Shoot high quality images
 Normal	Normal	Shoot normal quality images

TAKING PICTURES WITH SELF-TIMER

Use the self-timer to set a delay from the time the shutter button is pressed to the time the image is shot.

1. Press **▼** to switch between self-timer modes until the desired mode icon appears on the LCD.
2. Shoot the image.

Setting	Description
Blank	Without delay
	Two seconds delay
	Ten seconds delay



Photography hints:

Since the red Self -Timer LED in the front of the camera will blink after the Shutter button is fully pressed down, you have time to join in the photograph and know when the camera is done taking a picture when the self-timer LED stops blinking.

ADJUSTING THE EXPOSURE---EV ADJUSTMENT

The camera uses Auto Exposure to give well-exposed pictures under most lighting conditions. If the captured picture of the main subject turns out to be too light or too dark, use the Exposure Compensation feature to improve the exposure aspect.

1. Press the **MENU** button.
2. Press **▼** or **▲** to select **Exposure** then press the **SET** or **▶** to enter its submenu.
3. Press **◀** or **▶** to set the exposure compensation value. Available settings are: -2.0, -1.7, -1.3, -1.0, -0.7, -0.3, Auto, +0.3, +0.7, +1.0, +1.3, +1.7, +2.0.
4. Press the **SET** button to confirm.



ADJUSTING COLOR TONES---SETTING THE WHITE BALANCE

By default the camera uses Auto White Balance to reproduce colors under different lighting conditions. For mixed lighting conditions, it is recommended to use the Auto White Balance option. However, if the lighting condition is identical to one of the following White Balance settings, set the White Balance to the corresponding mode to get pictures with colors more accurately.

AWB	Auto	The camera will automatically choose the white balance setting.
	Day light	For recording outdoors on a sunny day
	Shade	For recording under overcast, shady or twilight skies
	Tungsten	For recording under tungsten lighting
	Fluorescent	For recording under fluorescent lighting

1. Press the **MENU** button.
2. Press **▼** or **▲** to select **white balance** then press the **SET** or **▶** to enter its submenu.

3. Press ◀ or ▶ to set the desired white balance mode then press the **SET** button to confirm.



TAKING VIDEO CLIPS

The digital camera can shoot video clips with audio.

1. Press the **MODE** button repeatedly until the video mode icon () appears on the LCD.
 - The LCD monitor displays the maximum recordable time (in minute).
2. Press the **Shutter** button to start recording.
3. Press the shutter button again to stop recording. Otherwise the camera stops recording automatically when the memory capacity is reached.



Recordable time



Recording time

Note:

1. Be careful not to touch the microphone which is located at the top side of the camera while recording video or audio clips.
2. The Video resolution can be set to 640 x 480 or 320 x 240 pixels.
3. The Self-Timer and Macro mode shooting can be activated in Video Mode.
4. The Image Quality, Exposure compensation and White Balance can be adjusted before recording video clip.

TAKING AUDIO CLIPS

You can use the camera as an audio recorder.

1. Press the **MODE** button repeatedly until the voice mode icon () appears on the LCD.
2. Press the **Shutter** button to start recording an audio clip. The green Operation Lamp will blink.
3. Press the **Shutter** button again to stop recording. Otherwise, it will stop automatically after the memory limit is reached.



Recordable time



Recording time

REPLAYING STORED FILES

REVIEWING THE STORED FILES

You can view the recorded images, video clips and audio clips on the camera.

1. Press the **MODE** button repeatedly until the review mode icon () appears on the LCD. The last recorded file appears on the LCD monitor.
2. Press **▼** to move to the previous file and press **▲** to move to the next file.
3. When a video clip or audio clip is selected, press the **SET** button to start playing the file.



MAGNIFYING THE STORED IMAGES

Still images can be magnified up from 1 times to 8 times.

1. When the desired image is shown on the LCD, press **▶** to enlarge the image, and press **◀** to zoom out. The zoom factor is shown on the LCD.
2. Press the **SET** button to confirm the selected magnifying level.
3. Press **◀**, **▶**, **▼** or **▲** to navigate in the image.
4. Press the **SET** button again to resume zooming mode.

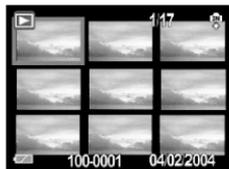


The zoom factor is shown

VIEWING THE STORED FILES IN THUMBNAIL MODE

You can view up to nine files at a time on the LCD monitor.

1. Press the **MODE** button repeatedly until the review mode icon () appears on the LCD.
2. Press **◀**. Up to 9 thumbnail files is shown on the LCD.
3. Press the **SET** button. The last file is highlighted in red border.
4. Press **◀**, **▶**, **▼** or **▲** to select the desired file.
5. Press the **SET** button to display the selected file in full screen size.



PROTECTING THE STORED FILES

You can protect important files from being accidentally erased by locking the files.

Locking Files Individually.

1. Press the **MODE** button repeatedly until the review mode icon () appears on the LCD.
2. Press **▼** or **▲** to select the file to be protected.
3. Press the **MENU** button.
4. Press **▼** to highlight **Protect** and then press the **SET** button or **▶** to enter its submenu.
5. Press **▼** or **▲** to select **Single**, then press the **SET** button or **▶** to enter its submenu.
6. Press **▼** or **▲** to select **Yes**, then press the **SET** button to confirm. A key shape icon will be shown on the LCD, which indicates the file is locked.
7. Press **◀** or **▶** to look for other files to be protected, then press the **SET**



button to lock the selected file.

- Press the **MENU** button to exit file-protecting mode.

Locking All Files

- Press the **MODE** button repeatedly until the review mode icon () appears on the LCD.
- Press the **MENU** button.
- Press  to highlight **Protect** and then press the **SET** button or  to enter its submenu.
- Press  or  to select **Lock All**, then press the **SET** button or  to enter its submenu.
- Press  or  to select **Yes**, then press the **SET** button to confirm. All the files will be locked.

Unlocking Files

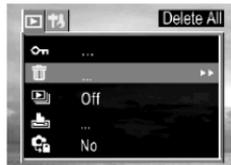
To unprotect all the files, follow steps above but select “**Single**” or “**Unlock All**” when protect Menu is shown on the LCD.

DELETING UNWANTED FILES FROM MEMORY

Erase files that you don't want to keep to make more memory space available. You can erase individual files or all files in Playback Mode.

Deleting Files Individually

- Press the **MODE** button repeatedly until the review mode icon () appears on the LCD.
- Press  or  to select the file to be deleted.
- Press the **MENU** button.
- Press  to highlight **Delete ALL** and then press the **SET** button or  to enter its submenu.
- Press  or  to select **Single**, then press the **SET** button or  to enter its submenu.
- Press  or  to select **Yes**, then press the **SET** button to confirm.
- Press  or  to find out other files to be deleted, and then press the **SET** button to delete the selected files.
- Press the **MENU** button to exit file-deleting mode.



Deleting All Unlocked Files

- Press the **MODE** button repeatedly until the review mode icon () appears on the LCD.
- Press the **MENU** button.
- Press  to highlight **Delete ALL** and then press the **SET** button or  to enter its submenu.
- Press  or  to select **All**, then press the **SET** button or  to enter its submenu.
- Press  or  to select **Yes**, then press the **SET** button to confirm. All the unprotected files will be deleted.

Note: To delete protected file, please unlock the file first.

PLAYING A SLIDE SHOW (AUTO PLAY)

Use the slide show feature to automatically display your pictures and videos on the LCD screen at a selectable interval.

1. Press the **MODE** button repeatedly until the review mode icon () appears on the LCD.
2. Press **MENU** button.
3. Press  to select Slide Show then press the **SET** button or  to enter its submenu.
4. Press  or  to select **5 sec** or **10 sec** and then press **SET**. The slide show starts at once from the last displayed image.
5. Press the **SET** button to stop the slide show.



Note: For Video or audio clips, only the first frame will be shown.

COPYING FILES FROM INTERNAL MEMORY TO AN SD CARD

The camera allows you to copy all files that are stored in the camera's internal memory to an SD memory card.

1. Insert an SD card and press the **MODE** button to enter the Playback Mode ().
2. Press the **MENU** button.
3. Press  to select **Copy to card** then press the **SET** button or  to enter its submenu.
4. Press  or  to select **Yes**, then press **SET** to confirm. The files stored in the internal memory will be transferred onto the SD card in a few seconds.

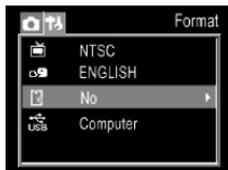


Note: Make sure the free memory of the SD card is larger than 16MB. Otherwise the files stored in the internal memory cannot be fully transferred.

FORMATTING INTERNAL OR SD CARD MEMORY

When you use a new memory card, or if you wish to delete all the files stored in the internal memory or memory card, please follow the steps below to format the internal memory or memory card:

1. Insert the memory card if you want to format the memory card instead of the internal memory.
2. Turn on the camera.
3. Press the **MENU** button.
4. Press  to select the **Setup Menu**.
5. Press  or  to select **Format** then press the **SET** button or  to enter its sub-menu.
6. Press  or  to select **Yes** or **No**.
7. Press the **SET** button to confirm the selection.



Note:

1. Formatting will erase all the data in the internal memory or on the SD card, including protected files. Please check the contents in the memory before formatting it.
2. SD cards formatted in another camera, computer or peripheral device may not operate correctly. When that happens, reformat the SD card with this camera.

FILE NAMES & PRINTING

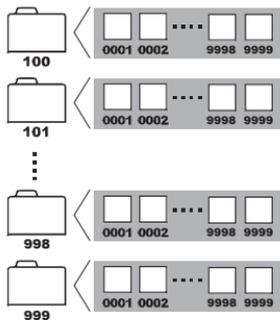
ABOUT FILE AND FOLDER NUMBERS

Images or video clips are assigned file numbers from 0001 to 9999, and folders are assigned folder numbers from 100 to 999

Folder File Capacity

Each folder usually contains up to 9999 images. If a photo is taken when the file number has reached 9999, the camera will create a new folder. For example, if the current folder is "100_JD50", the new folder will be named "101_JD50."

If the total folder number reached 999 and the total file number exceeds 9999, the camera will display the warning message "FILE NUMBER OVER." In this case, please set the File Number Reset to ON mode and then format the memory or insert a new memory card.



RESETTING FILE NUMBER

Setting the File No. Reset to OFF is useful for avoiding file name duplication when files are downloaded to a computer. However, if you want to start numbering files from 0001 after a new SD card is inserted, or after the memory is formatted, or when you experience a "FILE NUMBER OVER" warning, set the File Number Reset mode to ON.

Mode	Off (Default)	On
Situations		
1. A new SD card is inserted. 2. The internal memory or the memory card is formatted	File number will start from the previous number. For example: 0065→0066	File numbers will reset to 0001. For example: 0065→0001

To number files from 0001 on when a new SD card is inserted:

1. Insert a new SD card.
2. Turn the camera on and press the **MENU** button.
3. Press ◀ or ▶ to select the **Setup Menu**.
4. Press ▼ or ▲ to select **File NO. Reset** then press the **SET** button or ▶ to enter its submenu.
5. Press ▼ or ▲ to select **On** and then press the **SET** button.
6. Press the **MENU** button twice to close the menu window.

To number files from 0001 on when memory is formatted:

1. Follow steps 2-6 above to set the File No. Reset to **ON** mode.
2. Format the memory. (Refer to p.20)

SETTINGS DIRECT PRINTING ORDER

The camera allows you to select images for printing on a direct printing compatible printer and specify the number of print copies in advance using the camera.

1. Press **MODE** button to enter the Playback Mode ().
2. Press **▼** or **▲** to select the images to be printed.
Note: Video or audio clips can't be printed. Do not select video/audio file.
3. Press **MENU** button.
4. Press **▼** or **▲** to select **Print Order**, and then press **SET** or **▶** to enter its submenu. Then follow one of the below methods:

**To set DIFFERENT printing settings**

1. Press **▼** or **▲** to select **Single**, then press the **SET** button or **▶** to enter its submenu.
2. Press **▼** or **▲** to set the number of copies (up to 999), then press **▶** to confirm the setting.
3. Press the **▼** or **▲** to set date **On** or **Off**, then press **▶** to confirm the setting.
4. Press the **SET** button to confirm.
5. Press **▼** or **▲** to select the other images to be printed.
6. Repeat steps 2-4 to set the printing order.
7. When all is set, press the **MENU** button to close the menu window.

**To set SAME Printing settings**

1. Press **▼** or **▲** to select **All**, then press the **SET** button or **▶** to enter its submenu.
2. Press **▼** or **▲** to set the number of copies (up to 999), then press **▶** to confirm the setting.
3. Press the **▼** or **▲** to set date **On** or **Off**, then press **▶** to confirm the setting.
4. Press the **SET** button to confirm.

To reset the Printing settings

1. Press **▼** or **▲** to select **Reset**, then press the **SET** button or **▶** to enter its submenu.
2. Press **▼** or **▲** to select **Yes**, then press the **SET** button to confirm. All the preset printing settings will be removed.

SETTING USB MODE

By default, the camera is set at Computer mode which enables you to download files from the camera to you computer conveniently. However, if you want to connect your camera to a direct-printing-compatible printer to print images, you must set the USB mode to Printer.

1. Press the MENU button.
2. Press **▶** to select the **Setup Menu**.
3. Press **▼** or **▲** to select **USB** then press the **SET** button.
4. Press **▼** or **▲** to select **Computer** or **Printer** and then press the **SET** button.



PRINTING PICTURES DIRECTLY

There are two ways to print the stored pictures without the help of computer:

Printing Pictures by Using SD Card

1. Transfer the stored pictures from internal memory to SD card. (If necessary) (p. 20)
2. Set the printing order (p. 22).
3. Insert the SD card into the SD card slot of the direct printing compatible printer.
4. Refer to the instruction manual of the printer to print the pictures.

Printing Pictures by Using an USB Cable

1. Power on the direct-printing-compatible printer.
2. Power on the Camera and set the camera's USB mode to "Printer". (p.22)
3. Connect the camera to the direct printing compatible printer via the supplied USB cable.

The camera's LCD will show menu as below.

4. Press **▼** or **▲** to select **Image**, then press **SET** to enter the setting menu.
5. Press **▼** or **▲** to select **Single, All** then press the **SET** or **▶**.



6. Press **▼** or **▲** to set the number of copies (up to 30), then press **SET** to confirm the setting.



7. Press ▼ or ▲ to select **Print** then press the **SET** or ►.



8. Press ▼ or ▲ to select **Custom** then press the **SET** or ►.



9. Press ▼ or ▲ to select **Start** then press the **SET** button. The images will be printed.



Note: Before proceeding to print, you can set paper size by pressing ▼ or ▲ to select **Custom**, then press **SET** or ► to enter custom submenu, and then select **Size** by pressing the ▼ or ▲ again.



Note: The options of the direct-printing settings differ slightly for different.

MAKING CONNECTIONS

VIEWING FILES ON THE TV

The camera allows you to view individual files on the television. To begin, check your television documentation to determine what video standard you should set your camera to.

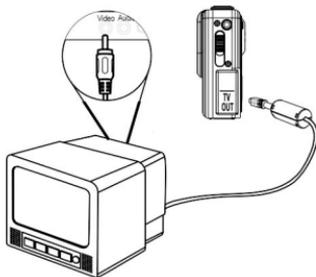
NTSC	Japan, U.S.A., Canada, etc.
PAL	Europe, Asia (excluding Japan), Oceania, etc.

Setting Video Output Signal Mode

1. Press **MENU** button.
2. Press **▶** to select **Setup Menu**.
3. Press the **▼** or **▲** to highlight **TV Output**, then press the **SET** or **▶** to enter its submenu.
4. Press the **▼** or **▲** to select **NTSC** or **PAL**.
5. Press **SET** button to confirm

Connecting the camera with your TV set

1. Turn off the camera.
2. Plug one end of the supplied TV Out Cable to the video-in jack on the TV.
3. Plug the other end of the TV Out Cable to the TV OUT terminal on the camera.
4. Turn on the TV and switch it to VIDEO mode.
5. Turn on the camera.
Everything that would normally appear on the camera's LCD will appear on the TV. The camera's LCD turns off automatically during video output.
6. When the camera is connected with the TV, you can refer the instruction above to use the TV screen as the camera's LCD to do things such as, to taking pictures, to taking video clips and to view the files.



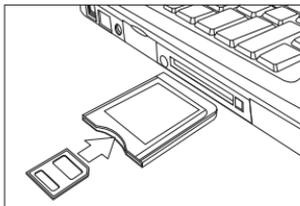
DOWNLOADING FILES ONTO YOUR COMPUTER

Download files taken with the camera to a computer in one of the following ways:

1. Using an SD card reader.
2. Connect the camera to a computer with the USB cable.

Downloading files by using card reader

1. Remove the SD card from the camera, and insert it into an SD card reader.
2. Connect the SD card reader to the computer.
3. Double-click the icon of the drive with the SD card.
4. Copy images from the card into a folder of your computer.



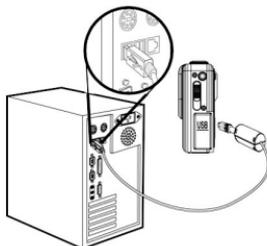
Downloading files by using an USB cable

Note for Win 98SE users: You must install the camera driver supplied in the CD-ROM before connecting the camera to the computer.

Connect the supplied USB cable to the computer's USB port and to the camera's USB port.

FOR WINDOWS USERS

1. Double-click on **My Computer**.
2. Double-click **Removable Disk**.
3. Double-click **DCIM**.
4. Double-click the folder that contains the desired images to view.
5. Click and drag the files into a directory in your computer to save them.
 - To select all files, click **Edit>Select All**.

**FOR MACINTOSH USERS**

1. Double-click the "**untitled**" removable drive that is on your desktop.
2. Double-click **DCIM**.
3. Double-click the folder that contains the desired images to view.
4. Drag and drop the files in the computer.

1. To download files stored in internal memory, take the SD card out from the camera.
2. You do not need to turn off the computer or camera when making this connection.
3. Please refer to your computer manual for information regarding the location of the USB port.
4. If this is the first time the camera has been connected to the computer, Windows detects the camera as an "unknown device" and automatically completes the required software installation.

INSTALLING SOFTWARE (FOR WINDOWS USERS)

USING THE INSTALLER SPLASH SCREEN

The installer will automatically detect which software applications need to be installed or if they are not necessary. This will be indicated by the buttons on the splash screen that appears when the CD-ROM is inserted into the computer:

Color	Description
Yellow (●)	Required or highly recommended to install.
Gray (●)	Already installed or not necessary

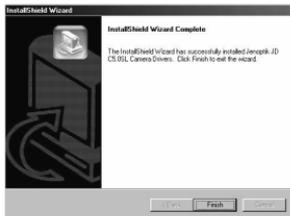


Option	Function	Installation Requirement			
		Windows 98SE	Windows 2000	Windows ME	Windows XP
Camera Drivers	Enable the camera to become an external drive on your computer.	Required	No need	No need	No need
Windows Media Player 9	Enables you to playback the video clips taken with the camera.	Required	Optional		
ArcSoft PhotoImpression 2000	Enables you to edit and enhance pictures.	Optional			
Adobe Acrobat Reader 6	Enables you to view the electronic version of the User's Guide.	Optional			
User's Guide	Direct link to the electronic version of the User's Guide in different languages. (All User's Guides are saved in PDF format.)	---			
Concord Support Website	Direct link to our camera support website. Please establish an internet connection before clicking on the link.	---			

INSTALLING THE CAMERA DRIVER (FOR WIN 98 SE USERS)

Note for Win 98 SE user: You must install the camera driver before proceeding to download files from the camera to your computer by using the USB cable.

Step 1	Make sure your camera is powered off and not connected to the computer.
Step 2	Make sure the computer is powered on and Windows 98SE is running.
Step 3	Close any other applications or software you may be running.
Step 4	Insert the supplied CD-ROM into your computer's CD-ROM Drive.
Step 5	<p>Select the language. Click [OK].</p> <p>NOTE: If the installer does not start automatically within 30 seconds after the CD-ROM has been inserted, click on "My Computer" either on the Desktop or in the Start Menu and locate the CD-ROM Drive. Double click on the CD-ROM Drive icon for installation and proceed to Step 5.</p>
Step 6	<p>When the installation screen appears, click on Install Camera Drivers.</p>
Step 7	<p>When the installation is completed, click [Finish].</p>



INSTALLING WINDOWS MEDIA PLAYER 9

Note for Win 98 SE user: You must install the supplied Windows Media Player 9 before proceeding to view the video clips recorded with the camera. Otherwise you may not be able to view the video clips.

<p>Step 1</p>	<p>Make sure your camera is powered off and not connected to the computer.</p>
<p>Step 2</p>	<p>Make sure the computer is powered on and Windows is running.</p>
<p>Step 3</p>	<p>Close any other applications or software you may be running.</p>
<p>Step 4</p>	<p>Insert the supplied CD-ROM into your computer's CD-ROM Drive.</p>
<p>Step 5</p>	<p>Select the language. Click [OK]. NOTE: If the installer does not start automatically within 30 seconds after the CD-ROM has been inserted, click on "My Computer" either on the Desktop or in the Start Menu and locate the CD-ROM Drive. Double click on the CD-ROM Drive icon for installation and proceed to Step 5.</p>
<p>Step 6</p>	<p>When the installation screen appears, click on Install MicroSoft Windows Media Player 9.</p>
<p>Step 7</p>	<p>Installation starts.</p>
<p>Step 8</p>	<p>Read the License Agreement, then click "I Accept".</p>

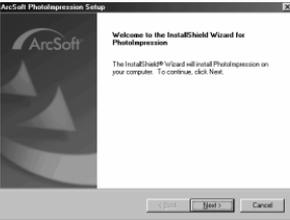
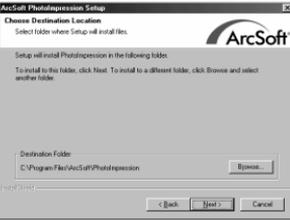


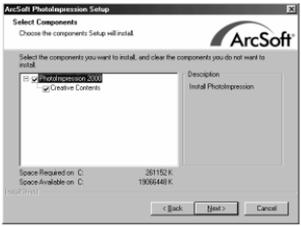
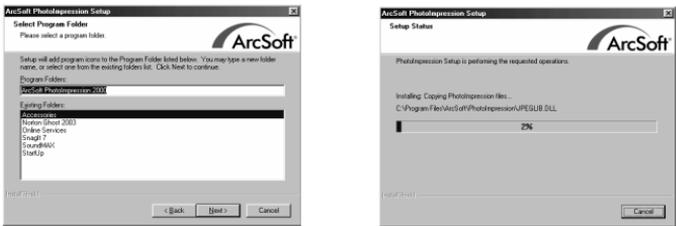
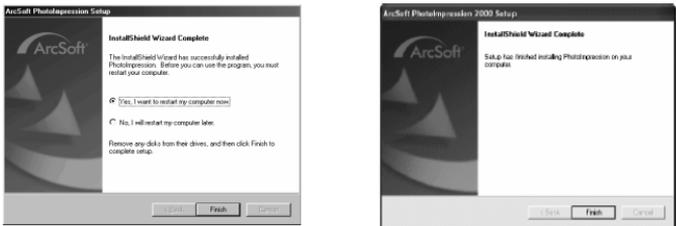
<p>Step 9</p>	<p>The screen shows installing progress bars.</p>
<p>Step 10</p>	<p>Click "Next".</p> 
<p>Step 11</p>	<p>Choose the privacy options according to your preference, then click "Next".</p> 
<p>Step 12</p>	<p>Select or dis-select the file types that will use the Windows Media Player as default player. Then click "Finish".</p> 

<p>Step 13</p>	<p>The screen shows the Windows Media Player window.</p> 
<p>Step 14</p>	<p>Close the Windows Media player by clicking on the "X" on the left top corner or clicking "File → Exit".</p> <p>Note: If you have downloaded the video clips recorded with the camera onto your computer, you can click "File → Open ..." to view the video clips immediately.</p>

INSTALLING ARCSOFT PHOTOIMPRESSION 2000

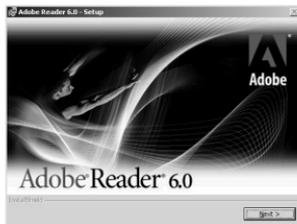
<p>Step 1</p>	<p>Make sure your camera is powered off and not connected to the computer.</p>
<p>Step 2</p>	<p>Make sure the computer is powered on and Windows is running.</p>
<p>Step 3</p>	<p>Close any other applications or software you may be running.</p>
<p>Step 4</p>	<p>Insert the supplied CD-ROM into your computer's CD-ROM Drive.</p>
<p>Step 5</p>	<p>Select the language. Click [OK].</p> <p>NOTE: If the installer does not start automatically within 30 seconds after the CD-ROM has been inserted, click on "My Computer" either on the Desktop or in the Start Menu and locate the CD-ROM Drive. Double click on the CD-ROM Drive icon for installation and proceed to Step 5.</p> 

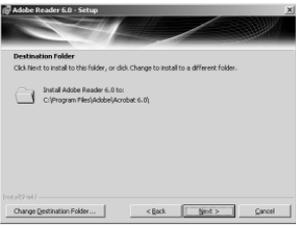
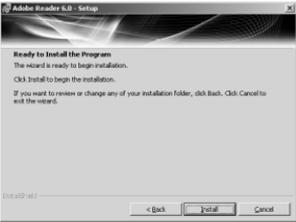
<p>Step 6</p>	<p>When the installation screen appears, click on Install ArcSoft Photolmpression 2000.</p>	
<p>Step 7</p>	<p>Click [Next >].</p>	
<p>Step 8</p>	<p>Read the agreement and then click [Yes].</p>	
<p>Step 9</p>	<p>Select folder where Setup will install files and then click [Next >].</p>	

<p>Step 10</p>	<p>Make sure the two applications are checked and then click [Next >].</p>	
<p>Step 11</p>	<p>Click [Next >]. The screen will show the installation status.</p>	
<p>Step 13</p>	<p>Click [Finish]. Win 98 SE will request for restart.</p>	 <p>(Win 98 SE)</p> <p>(Win2000/ME/XP)</p>

INSTALLING ADOBE ACROBAT READER

Step 1	Make sure your camera is powered off and not connected to the computer.
Step 2	Make sure the computer is powered on and Windows is running.
Step 3	Close any other applications or software you may be running.
Step 4	Insert the supplied CD-ROM into your computer's CD-ROM Drive.
Step 5	<p>Select the language. Click [OK].</p> <p>NOTE: If the installer does not start automatically within 30 seconds after the CD-ROM has been inserted, click on “My Computer” either on the Desktop or in the Start Menu and locate the CD-ROM Drive. Double click on the CD-ROM Drive icon for installation and proceed to Step 5.</p>
Step 6	<p>When the installation screen appears, click on Install Adobe Acrobat Reader 6.</p>
Step 7	Then the “Recomposing data ...” status bar will be shown.
Step 8	Click [Next >].



<p>Step 9</p>	<p>Click [Next >].</p>	
<p>Step 10</p>	<p>Click [Next >]. The files will be saved into C:\Program Files\Adobe\Acrobat 6.0 automatically. You may change the default folder by clicking [Change Destination Folder ...] and selecting a different folder.</p>	
<p>Step 11</p>	<p>Click [Install] to start install the Adobe Reader 6.</p>	
<p>Step 12</p>	<p>Click [Finish]</p>	

Note:

1. Windows 2000 computer might need to reboot after installed Acrobat Reader 6. Please restart the computer upon required.
2. As Adobe Reader 6 requires Internet Explorer 5.01 or greater, Win 98 SE users may meet below message at the end of step 6,



and Win 2000 users may see the message shown below as Adobe Reader 6 need the support of Win 2000 Service Pack 2.



When such message is shown, please click **[OK]** to close the message screen first, and then click **[Finish]** to terminate the Adobe Reader 6 installation. (See figure below) Then go to www.microsoft.com website to upgrade your system and then start from step 1 to install the Adobe Reader 6.



USING ARCSOFT PHOTOIMPRESSION (FOR WINDOWS USERS)

1. Connect the camera to the computer.
2. Launch ArcSoft PhotoImpression software by clicking on Start → Programs → ArcSoft Camera Suite and choosing PhotoImpression from the application list on your screen.



Fig. 1.1



Fig. 1.2

3. When the Application opens (fig. 1.1), click on the **Camera/Scanner** button. (fig. 1.2)
4. Click on the drop-down list under Select Source and choose JD C 5.0 SL.
5. Click on the Camera/ Scanner Icon ().
 - A second window will appear showing the contents (pictures) in the memory and options on how to handle them. (fig. 1.3)



Fig. 1.3

6. Select the desired picture to view, edit or save by clicking on it. The selected image will be highlighted by a border. To choose all pictures, click on **Select All**.
7. Click on **Get Photos**.
The pictures will then be added to your album at the bottom of the application (fig. 1.4).



Fig. 1.4

8. Click on **Close** to close the Camera Controls windows (as shown in fig. 1.3).
9. Double-click on the thumbnail or click on **OK** to open the photo. (fig. 1.5)
10. Click on **Edit** to edit the photo. You may, for example,
 - Resize the photo by using the "Crop/Resize" tools.
 - Modify the photo by using the "Retouch" tools. For example, to remove red-eyes.
 - Add some text onto the photo by using the "Text" tools.
11. Click on **Save** to save the photo. Two options are available: "Save" and "Save As".
12. Click on **Print** to print the photo. The options available include: **Standard Printing, Greeting Card/ Multiple Printing or Thumbnail Printing.**



Fig. 1.5

APPENDIX

TROUBLESHOOTING

Problem	Cause	Solution
The camera cannot be turned on.	Batteries are inserted in the wrong direction	Reload the batteries properly (p.7).
	Battery is dead.	Replace or recharge the batteries
	The battery compartment door is open.	Make sure the battery compartment door is securely closed.
The camera cannot take pictures	The flash is charging.	Insert a new SD card.
	Memory is full.	Delete unwanted files or insert a new SD card.
	Maximum file number is exceeded.	The card may be defective, use a new card.
The flash doesn't fire.	Flash is set to OFF.	Set the flash to any mode except OFF.
Image is blurry or out of focus	The camera was moving when the image was captured	Hold the camera steady when shooting picture.
	The subject was beyond the range within which the camera can focus	<ol style="list-style-type: none"> 1. Turn the Macro mode on if the subject is within 20 cm. 2. Don't use Macro mode when shooting distant subjects.
Image is not displayed on the LCD monitor	An SD Card with non-DCIF images (recorded with another camera) is loaded	This camera cannot display non-DCIF images.
Recorded images are not saved in memory	The camera was turned off/ powered down before the image was stored in memory	If the Battery Low indicator appears on the LCD monitor, replace the battery immediately.
Cannot transfer images to a computer after connecting the USB cable	USB driver is not installed	Install the USB driver before you connect the camera to a computer / turn the camera on.

SPECIFICATIONS

Sensor	5.1 Mega Pixels CMOS
Lens	Focal length: f 8.22mm, 4x digital zoom
Color LCD Display	1.8" LTPS LCD
Focus Range	Normal mode: 1 m (3.28 ft.) ~ infinity Macro mode: 20 cm (7.87 ")
Still Image Resolution	2592x1944, 2048x1536, 1280x960, 640x480
Video Resolution	MPEG 4, VGA @ 15 fps ,QVGA@30 fps (with audio recording)
Still Image quality	Fine : 5 x compression rate Normal : 10 x compression rate
Exposure Control	Auto & Manual
Exposure Compensation	-2EV to +2EV in 1/3 step.
Auto Lock	AE is locked by S1
Digital Zoom	Shooting mode : 4x Playback mode : 8x
Image File Format	Still : EXIF 2.2 compatible format (JPEG compression) DCF compatible.
White Balance	Auto, Day light, Cloudy, Tungsten, Fluorescent
Picture Storage	Internal : 16 MB embedded flash memory External : SD memory card up to 512 MB
Microphone	Built-in
Sound Feedback	Speaker
Communication Interface	USB 1.1
Self-Timer	2 sec. /10 sec. Self-Timer with beep sound
Playback Mode	Single / 9 thumbnails / slide show
Power Supply	Battery : 2 x AAA batteries
Dimensions	90 x 56 x 20.3 (mm) / 3.54 x 2.20 x 0.8 (inches)
Weight	Camera body w/o batteries: 110 g (3.88 oz.)
Ambient temperature	Operating : -5 to 40 ° C Storage : -20 to 60 ° C

Specifications are subject to change without prior notice.

GETTING HELP

You can get help from the troubleshooting section, FAQ or Customer Support on our website.

Troubleshooting Section in this User's Guide

Please refer to the Troubleshooting section first, as it contains some of the most common problems that users encounter.

Website FAQ

Please visit our website at www.jenoptik-camera.com to view the Frequently Asked Questions (FAQ).

Website Customer Support

If the problem you are encountering is not listed in the FAQ section, please send us an email through our web site by clicking on Contact Us.

If you have questions concerning the operation of the camera or software installation, please have the following information ready before you contact us:

Camera Information:

Name of camera model:

Camera Serial Number:

Computer Information:

Operation System:

Computer Maker and Model:

Exact Error Message Received:

For ArcSoft Technical Support on Photo Editing Software, please contact:

In the USA and Canada

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