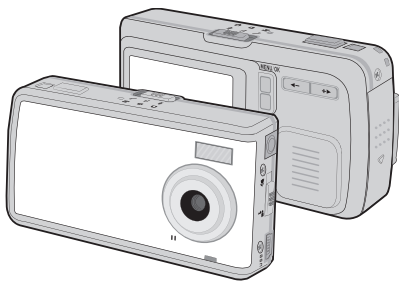


POCKETCAM 5200



User's Manual

English

WELCOME

Dear user, thanks for purchasing this product.
Much investment in time and effort has gone into its development,
and it is our hope that it will give you many years of trouble-free
service.

SAFETY NOTICE

1. Do not drop, puncture or disassemble the camera;
otherwise the warranty will be voided.



2. Avoid all contact with water, and dry hands before
using.



3. Do not expose the camera to high temperature or
leave it in direct sunlight. Doing so may damage
the camera.



4. Use the camera with care. Avoid pressing hard on
the camera body.

5. For your own safety, avoid using the camera when
there is a storm or lightning.

6. Avoid using batteries of different brands or types
at the same time. This may lead to the potential for
serious damage.



7. Remove batteries during long periods between
usage, as deteriorated batteries may affect the
functionality of the camera.

8. Remove batteries if they show signs of leaking or
distortion.



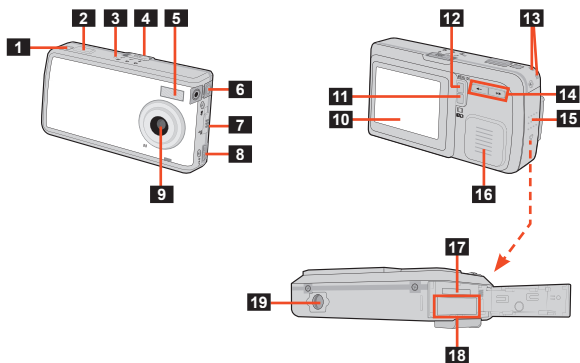
9. Use only the accessories supplied by the manu-
facturer.

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CAMERA PARTS



- | | |
|--|---|
| 1 Power/Mode Button () | 11 Display Toggle Button () |
| 2 Shutter/Record Button | 12 Menu/OK Button () |
| 3 Mode Indicator | 13 Strap Holes |
| 4 Mode Switch | 14 Zoom (Left/Right) Buttons ( ) |
| 5 Flash Strobe | 15 Battery/Card Cover |
| 6 TV-out Connector/ Earphone Connector | 16 Speaker |
| 7 Focus Switch | 17 SD/MMC Card Slot |
| 8 USB Port | 18 Battery Compartment |
| 9 Lens | 19 Tripod Port |
| 10 LCD Panel | |

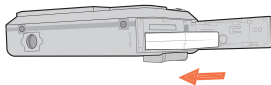
► Loading the battery

 Li-Ion rechargeable battery is recommended for high performance.

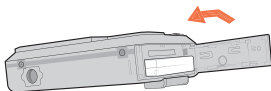
- 1.** Slide open the battery/card cover in the direction of indication.



- 2.** Place the Li-Ion rechargeable battery into the compartment (with the label side facing up).



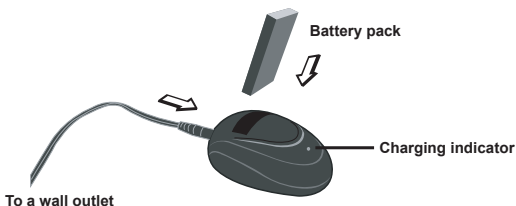
- 3.** After the battery is properly installed, replace the battery/card cover.



► Charging the battery

The battery attached is not fully charged. Please charge the battery at least 4.5 ~ 5 hours for first time use.

1. Connect one end of the supplied AC adapter to the charger stand and the other end to a wall outlet.
2. Place the depleted battery pack into the charger.



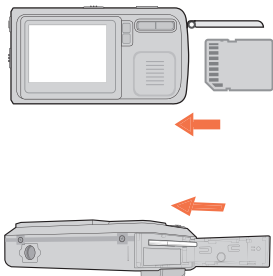
3. The charging indicator turns red and the charge starts.
4. When the charging indicator turns green, the battery pack is fully charged.

- 💡 This charger can only be used to charge the accessory battery pack. Do not use it to charge other unknown batteries.
- 💡 When in use, do not place the charger near fire or in an enclosed area that retains heat.

► Inserting the SD/MMC card (optional)

In addition to 16MB (128Mbits) built-in flash memory, your camera can store data on a Secure Digital (SD) card or a MultiMedia card (MMC). The supported memory size ranges from 8MB to 512MB.

To insert a SD/MMC card, gently push the card as indicated until the card reaches the end of the slot. Note that once a SD/MMC card is inserted, the camera will use the card as the main storage media. Files stored in the camera's built-in memory will become inaccessible until the SD/MMC card is removed.



The SD card comes with a write-protect switch. When the write-protect switch is set to the Lock position, the card will become non-writable. To ensure that the camera can operate normally, you should set the write-protect switch to the Unlock position before inserting the SD card.



Unlock

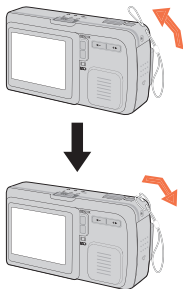
Lock



To remove the SD/MMC card, gently push the card until it pops up, and then slide the card out of the slot.

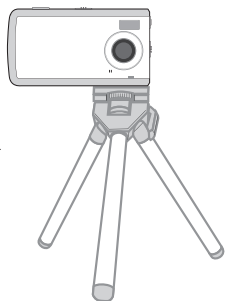
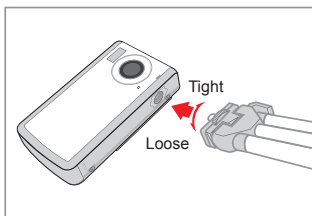
► Attaching the carrying strap (optional)

Using the strap to carry the camera with ease. To attach the carrying strap, thread the strap as illustrated on the right.



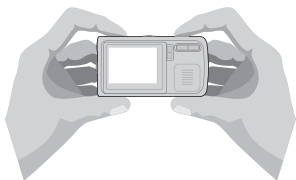
► Using the tripod (optional)

The tripod can be attached to your camera to minimize camera movement and ensure optimal image quality, particularly while taking self-portraits, longer movies or in a macro mode.



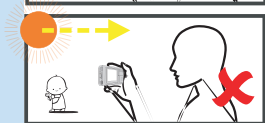
► How to hold your camera

When using the camera for shooting or filming, hold the camera firmly as the illustration indicates. You should also avoid blocking the lens to retain the best image.



Tips for best shooting:

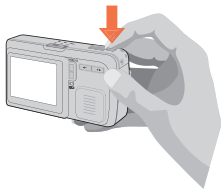
- 1) Keep the focus set to  except for close-ups.
- 2) Make sure your subject is well lit from the front.
- 3) Keep the camera level and steady when releasing the shutter.
- 4) Make sure the lighting is sufficient when taking stills or recording movies.
- 5) For stable and smooth image quality, move the camera slowly while filming.



Make sure you have adequate light

► Turning on your camera

1. Press and hold down the **Power Button** () for 2 seconds to turn on the camera.



If the camera is not turned on after pressing the Power Button (), please check:

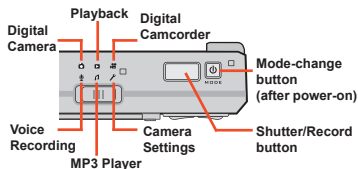
1. There is Li-Ion rechargeable battery installed in the camera.
2. The battery has enough power left.
3. The direction of the installed battery is correct.

► Turning off your camera

Press and hold down the **Power Button** () for 2 seconds to turn off the camera.

► Mode selection

After the camera is turned on, you can use the **Mode Switch**, together with the **Power Button** (⏻), to shift between six modes. Every stage of the **Mode Switch** provides two modes, which can be alternated by pressing the **Power Button** (⏻).



The Power Button (⏻) serves as the mode-change button only after power-on. When the camera is turned on, you can press and quick-release the Power Button (⏻) to alternate between two available modes. To turn off the camera, press and hold down the Power Button (⏻) for a longer period of time.

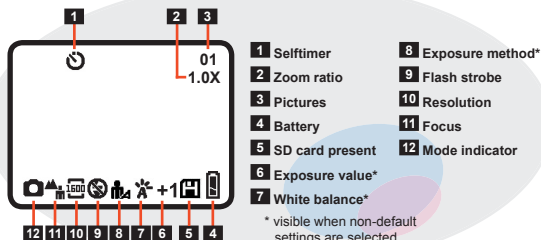


You may check the current mode by the LED light beside the Mode Switch.

Yellow	Digital Camera/ Playback/ Digital Camcorder
Red	Voice Recording/ MP3 Player/ Camera Settings

► Taking a still picture

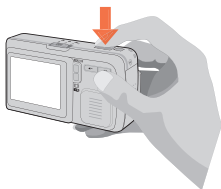
Digital camera mode LCD illustration



1. Turn on the camera, and set the **Mode Switch** to Digital Camera () mode.



2. Press the **Shutter/Record Button** to take a still picture.



► Zooming

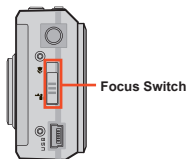
Before taking a still picture, you can use the **Zoom Buttons** (◀▶) to zoom in or zoom out the screen, thus retaining the best result.



► Setting focus

Before taking a still picture, you can use the **Focus Switch** to set focus as appropriate. The available settings are:

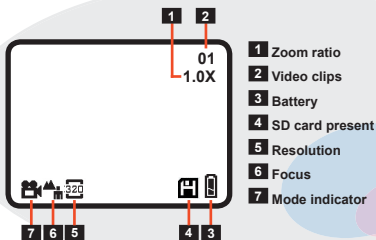
	Macro: 20" ~ 24" (50cm ~ 60cm)
	Normal: 24" ~ ∞ (60cm ~ ∞)



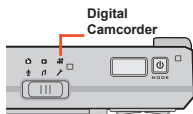
The normal focus setting is recommended for most filming environments.

► Recording a video clip

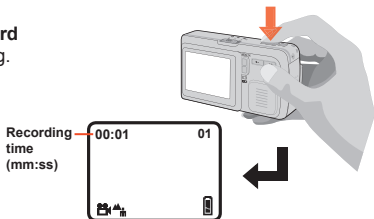
Digital camcorder mode LCD illustration



1. Turn on the camera, and set the **Mode Switch** to Digital Camcorder () mode.



2. Press the **Shutter/Record Button** to start recording.



3. Press the **Shutter/Record Button** again to stop recording.

► Zooming

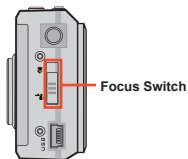
While recording a video clip, you can use the **Zoom Buttons** (◀▶) to zoom in or zoom out the screen, thus retaining the best result.



► Setting focus

In Digital Camcorder mode or during recording, you can use the **Focus Switch** to set focus as appropriate. The available settings are:

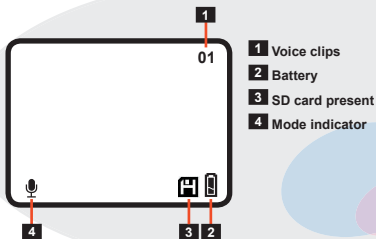
	Macro: 20" ~ 24" (50cm ~ 60cm)
	Normal: 24" ~ ∞ (60cm ~ ∞)



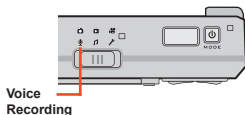
The normal focus setting is recommended for most filming environments.

► Recording a voice clip

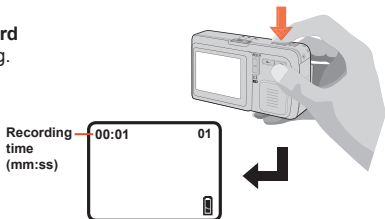
Voice recording mode LCD illustration



1. Turn on the camera, and set the **Mode Switch** to Voice Recording () mode.



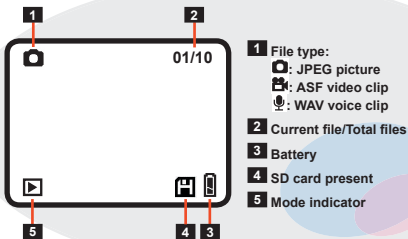
2. Press the **Shutter/Record Button** to start recording.



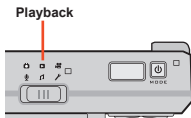
3. Press the **Shutter/Record Button** again to stop recording.

► Playing back your recordings

Playback mode LCD illustration



- 1.** Turn on the camera, and set the **Mode Switch** to Playback (▶) mode.



- 2.** The last recorded file will display in full-screen. Press the **Left/Right Buttons** (◀▶) to shift between files.



If you review a picture with memo recording (page 21) and the voice memo option is toggled ON (page 31), the voice memo will be automatically played back.

► Playing back your recordings (continued)

3. ASF and WAV files:

Press the **Shutter/Record Button** to play the file.

JPEG files:

Pressing the **Shutter/Record Button** will enable you to use the **Zoom Buttons** (◀▶) to zoom in or zoom out the picture. If you zoom in the picture, and then press the **Shutter/Record Button**, you will be able to browse the picture.



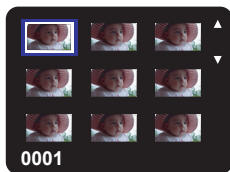
▲ Menu/OK
Button

▼ Display Toggle
Button

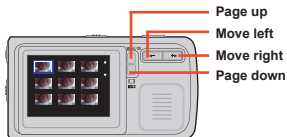
- ### 4.
- Press the **Shutter/Record Button** to stop playing or restore default display.

► Playing back your recordings - thumbnails

1. While in Playback mode, press the **Display Toggle Button** () will switch the screen to thumbnail view. In the thumbnail view you can quickly search the file you want to play.

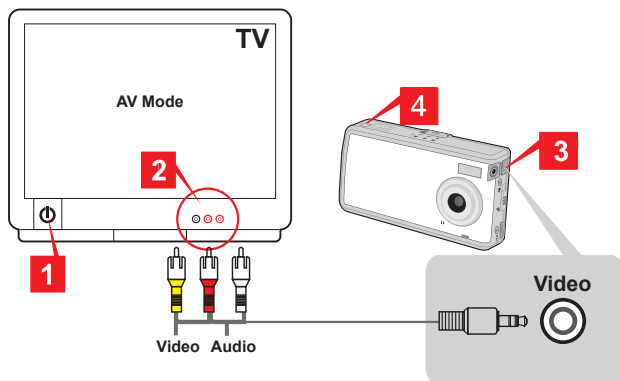


2. While in the thumbnail screen, you can use the **Menu/OK Button** () and the **Display Toggle Button** () to scroll up and scroll down pages. The **Left/Right Buttons** () can move the cursor to left or right.



3. Once the desired file is highlighted, press the **Shutter/Record Button** to return to the full-screen view.

► Connecting the camera to your TV



- 1.** Turn on your TV and switch to AV mode.
- 2.** Connect the audio and video ends of the AV cable to your TV.
- 3.** Connect the other end of the video cable to your camera.
- 4.** Turn on the camera.



Before connecting the camera to TV, you need to enable the TV-out setting. Please see page 39 for more information on how to enable the setting.

► Digital Camera - Recording voice memo

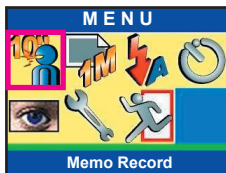


Recording voice memo lets you add voice memos to your pictures. Here are some notes on using this feature:

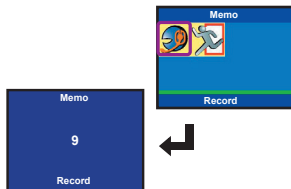
1. Each voice memo lasts for 10 seconds.
2. This function is available after taking a picture. If you want to add a memo to every picture you take, you must use this function immediately after every shot.
3. For one picture, only one voice memo can be recorded. Once the voice memo is recorded, it cannot be modified or remade.
4. For playing back the voice memo, please see page 31.

1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Memo Record** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select the **Record** item, and press the **Menu/OK Button** (**Menu/OK**) to start recording.

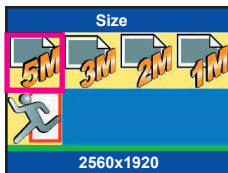


► Digital Camera - Setting picture resolution

1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).
2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Size** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

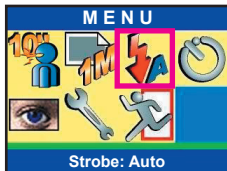


	1280x1024: suitable for viewing on PC.
	1600x1200: suitable for developing 3"x5" pictures.
	2048x1536(*): suitable for developing 4"x6" pictures.
	2560x1920: suitable for developing 5"x7" pictures.
* default setting	

► Digital Camera - Setting flash strobe

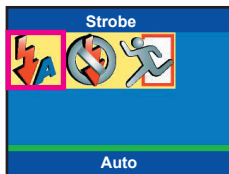
1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Strobe** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. Use the **Left/Right Buttons** (**◀▶**) to select the desired item, and then press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

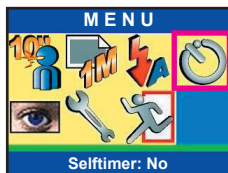
	Auto(*) : the flash strobe will automatically fire if the lighting is insufficient.
	Off : the flash strobe is disabled.
* default setting	



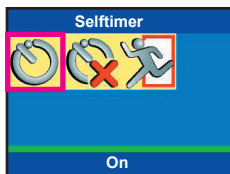
► Digital Camera - Setting selftimer

1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Selftimer** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



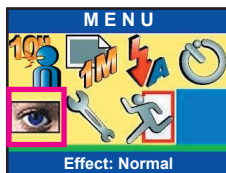
3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select **On** or **Off**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



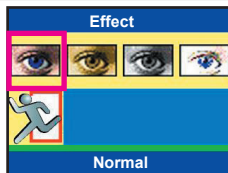
► Digital Camera - Setting picture effect

1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Effect** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

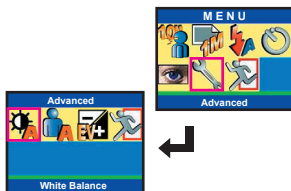


	Normal(*) : the picture will display in natural color.
	Classic : the picture will be tinted with an antique touch.
	Black&White : the picture will be in black and white.
	Solarize : the picture will display an over-exposed tone.
* default setting	

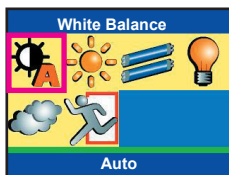
► Digital Camera - Setting white balance

1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, select the **Advanced** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the WB item and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

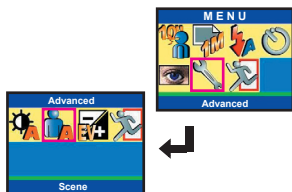


		Auto	
	Auto(*) : the white balance is automatically adjusted.		
	Sunny : suitable for shooting under sun light.		Fluorescent : suitable for indoor shooting with fluorescent light source.
	Tungsten : suitable for indoor shooting with incandescent lamp source.		Cloudy : suitable for shooting in cloudy weather.
* default setting			

► Digital Camera - Setting exposure method

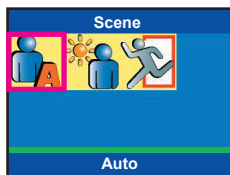
1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, select the **Advanced** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the **Scene** item and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

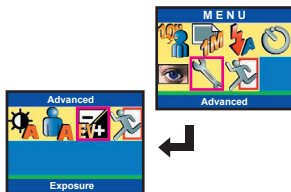
	Auto(*) : the exposure method is automatically measured.
	Backlight : suitable for shooting subject facing against light source.
* default setting	



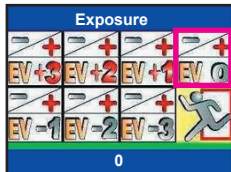
► Digital Camera - Setting exposure value

1. While in Digital Camera mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, select the **Advanced** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the **Exposure** item and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

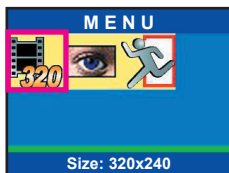


	+3: the exposure is dramatically increased.		
	+2: the exposure is moderately increased.		+1: the exposure is slightly increased.
	0(*): the exposure is not changed.		-1: the exposure is slightly decreased.
	-2: the exposure is moderately decreased.		-3: the exposure is dramatically decreased.
* default setting			

► Digital Camcorder - Setting video resolution

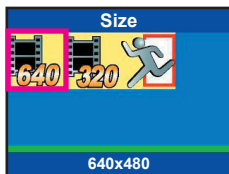
1. While in Digital Camcorder mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Size** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

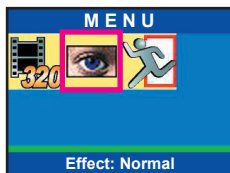
	640x480 : best resolution; more memory-demanding.
	320x240(*) : similar to VCD resolution.
* default setting	



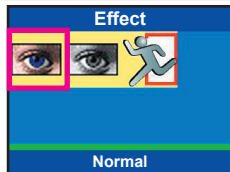
► Digital Camcorder - Setting video effect

1. While in Digital Camcorder mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Effect** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:



	Normal(*) : the video clip will be recorded in natural color.
	Black&White : the video clip will be recorded in black and white.
* default setting	

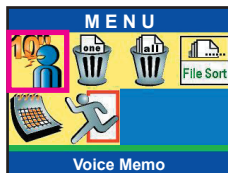
► Setting voice memo



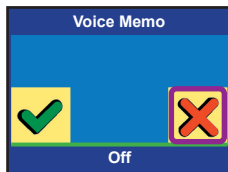
Enabling this function will let you hear voice memos (see page 21) while reviewing your pictures. The voice memo is automatically played back after this item is enabled. You can press the Shutter/Record Button to interrupt the playback.

1. While in Playback mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (◀ ▶) to highlight the **Voice Memo** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



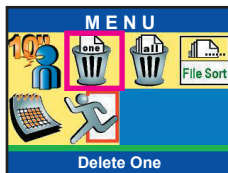
3. In the subsequent menu, use the **Left/Right Buttons** (◀ ▶) to select **On** or **Off**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



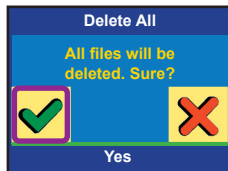
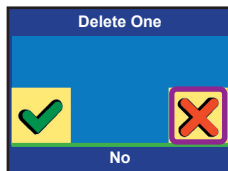
► Deleting files

1. While in Playback mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Delete One** or **Delete All** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select **Yes** or **No**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



Deleted files are gone forever and cannot be restored.

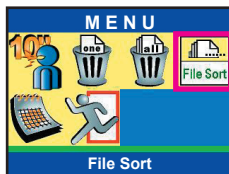
► Sorting files



The File Sort option allows you to specify a particular file type to display.

1. While in Playback mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **File Sort** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

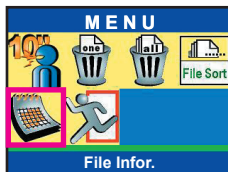
	All(*) : all sorts of files are displayed.
	JPEG : only pictures are displayed.
	ASF : only video clips are displayed.
	WAV : only voice clips are displayed.
* default setting	



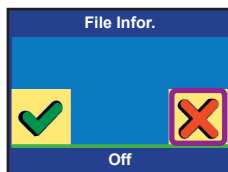
► Setting file info

1. While in Playback mode, press the **Menu/OK Button** (**Menu/OK**).

2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **File Infor.** (File information) item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



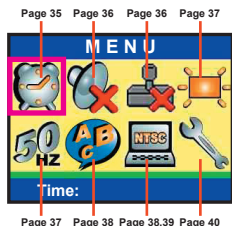
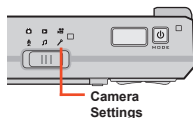
3. In the subsequent menu, use the **Left/Right Buttons** (**◀▶**) to select **On** or **Off**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



CAMERA SETTINGS

► Camera settings mode

Set the **Mode Switch** to Camera Settings mode, and the following screen will appear. For detailed information on each setting, please refer to the corresponding page.



► Setting date and time

1. Select the **Time** item and press the **Menu/OK Button** (**Menu/OK**).

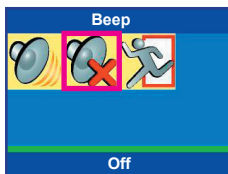
2. Use the **Left/Right Buttons** (**◀▶**) to adjust the value. Press the **Menu/OK Button** (**Menu/OK**) to confirm the setting and move to next field. Repeat the setting until all fields are done. Pressing the **Shutter/Record Button** can quick-exit the menu.

Time	
Year	◀ 2004 ▶
Month	03
Day	20
Hour	12
Minute	01

► Setting beep sound

1. Select the **Beep** item and press the **Menu/OK Button** (**Menu/OK**).

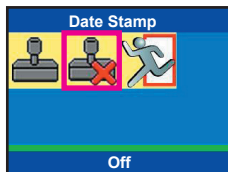
2. Use the **Left/Right Buttons** (◀ ▶) to select **On** or **Off**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



► Setting date stamp

1. Select the **Date Stamp** item and press the **Menu/OK Button** (**Menu/OK**).

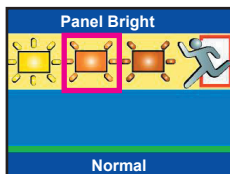
2. Use the **Left/Right Buttons** (◀ ▶) to select **On** or **Off**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



► Setting panel brightness

1. Select the **Brightness** item and press the **Menu/OK Button** (**Menu/OK**).

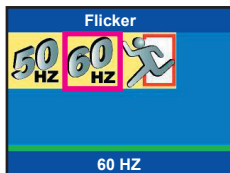
2. Use the **Left/Right Buttons** (**◀▶**) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



► Setting flicker

1. Select the **Flicker** item and press the **Menu/OK Button** (**Menu/OK**).

2. Use the **Left/Right Buttons** (**◀▶**) to select **50HZ** or **60HZ** according to the standard of your country, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



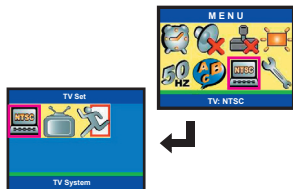
► Setting language

1. Select the **Language** item and press the **Menu/OK Button** (**Menu/OK**).
2. Use the **Left/Right Buttons** (**◀▶**) to select your preferred language, and press the **Menu/OK Button** (**Menu/OK**) to confirm. Pressing the **Shutter/Record Button** can quick-exit the menu.

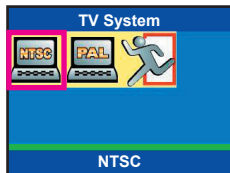


► Setting TV system

1. Select the **TV Set** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the **TV System** item and press the **Menu/OK Button** (**Menu/OK**) to continue.

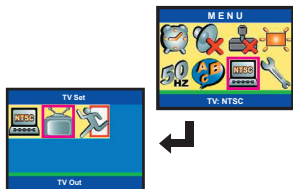


2. Use the **Left/Right Buttons** (**◀▶**) to select **NTSC** or **PAL**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.

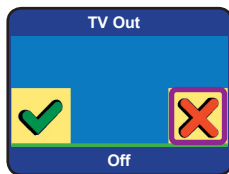


► Setting TV-out

1. Select the **TV Set** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the **TV Out** item and press the **Menu/OK Button** (**Menu/OK**) to continue.



2. Use the **Left/Right Buttons** (◀ ▶) to select **On** or **Off**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



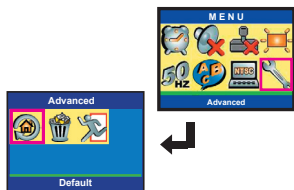
To take advantage of this setting, you need to connect the camera to your TV. Please see page 20 for more information.



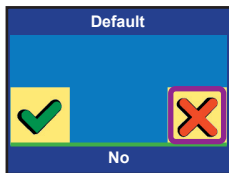
If your camera is not connected to TV yet, after the camera's TV-out setting is toggled On, you can still switch the display back to the camera LCD by doing the following: Press the Shutter/Record button to reactivate the camera LCD.

► Restoring default settings

1. Select the **Advanced** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the **Default** item and press the **Menu/OK Button** (**Menu/OK**) to continue.



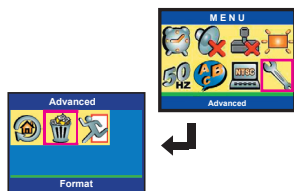
2. Use the **Left/Right Buttons** (**◀▶**) to select **Yes** or **No**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



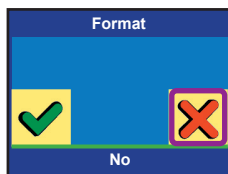
 **Restoring default settings will override your current settings.**

► Formatting media

1. Select the **Advanced** item and press the **Menu/OK Button** (**Menu/OK**). In the next menu, select the **Format** item and press the **Menu/OK Button** (**Menu/OK**) to continue.



2. Use the **Left/Right Buttons** (**◀▶**) to select **Yes** or **No**, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



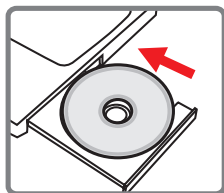
Formatting the media will erase all files stored on the media.

COPYING FILES TO YOUR PC

► Installing the driver to your PC

You need to install the driver included in the accessory CD to ensure that video clips can be played back on your PC.

1. Turn on your computer. Then place the accessory CD into the CD-ROM drive. The setup screen will automatically display.



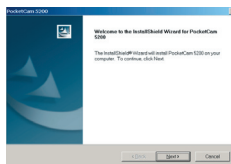
2. Upon seeing the setup screen, click on the corresponding item to launch the installation of the driver.



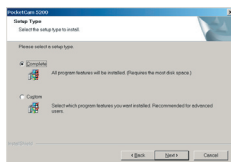
1. Do not connect your camera and the computer by the USB cable until the driver installation is completed.
2. Shut down all other applications running on your computer.
3. If the title screen does not appear automatically, please double-click on "My Computer" shortcut on the desktop and then the CD-ROM drive. Then start the Setup.exe program manually.

► Installing the driver to your PC (continued)

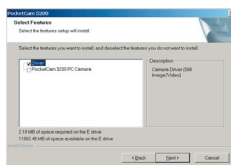
3. The **Install Shield Wizard** will then appear and automatically install the program. Please click on **Next** and follow the on-screen instructions to continue.



4. Select **Complete** if you want to install the driver and the PC Camera application. Select **Custom** if you want to customize the installation options.

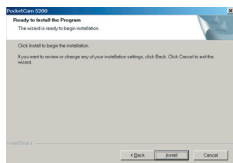


5. If you select **Custom** in the previous step, you will see this window. Check the items you want to install and click on **Next** to continue.

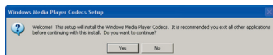


► Installing the driver to your PC (continued)

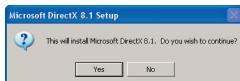
6. Upon seeing this window, click on **Install** to continue. Follow the on-screen instructions to complete the installation.



7. If the program prompts you to install **Windows Media Player Codecs**, please click on **Yes** and follow the on-screen instructions to complete the installation.



8. If the program prompts you to install **Direct X 8.1**, please click on **Yes** and follow the on-screen instructions to complete the installation.

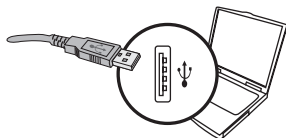


"Windows Media Player Codecs" and "Direct X 8.1" or above are necessary for viewing the video clips recorded by the camera.

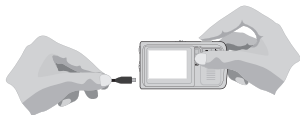
9. After the installation is completed, you may need to restart your computer for the driver to take effect.

► Connecting the camera to your PC

1. Turn on your computer, and then connect the USB cable to the USB port of your computer. Make sure the cable and the port are correctly aligned.



2. Connect the other end of the USB cable to your camera.



Notice for Windows 2000/XP/ME users:

When you want to disconnect the camera from the computer, please follow these steps:

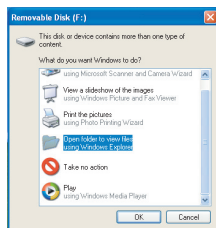
1. Double-click on  on the system tray.
2. Click on  (USB Disk), and then click Stop.
3. When the confirmation screen appears, select the camera and click on OK.
4. Follow the on-screen instructions to safely disconnect the camera from your computer.

► Copying files to the PC

1. This step varies depending on your operation system:

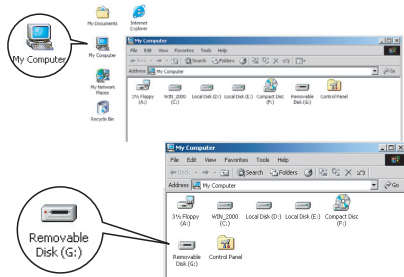
For Windows XP users:

After the camera is connected to your computer, a dialogue window will appear automatically. Please select the item **Open folder to view files using Windows Explorer** and click on **OK**.



For Windows 2000/ME/98SE users:

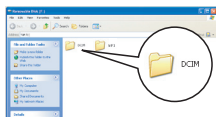
Double-click on **My Computer**. Then double-click on the icon of the removable disk that has just appeared.



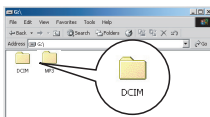
Some users may find two removable disks appear under "**My Computer**", that is because the OS detects two storage media in the camera (the internal memory and the SD/MMC card). If you can not find your files in one of the disks, please try to find them in the other disk.

► Copying files to the PC (continued)

2. Double-click on the **DCIM** file folder.

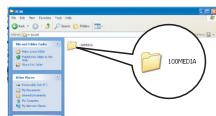


Windows XP

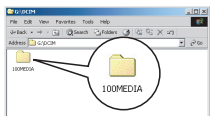


Windows 2000/ME/98 SE

3. Double-click on the **100MEDIA** file folder.

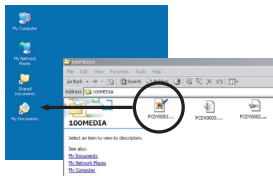


Windows XP

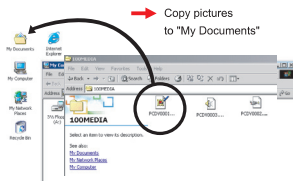


Windows 2000/ME/98 SE

4. Drag the target file into **My Documents** or the destination folder.



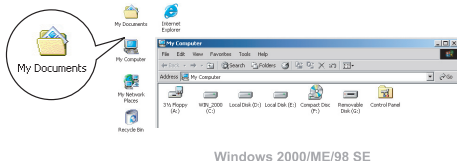
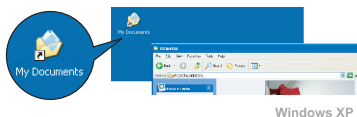
Windows XP



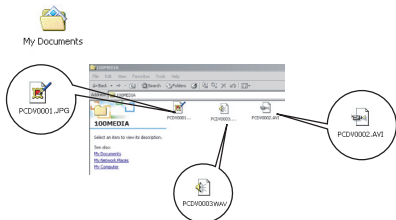
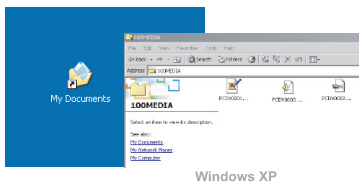
Windows 2000/ME/98 SE

► Viewing/Playing files on your PC

1. Double-click on **My Documents** or any other folder that stores your files.

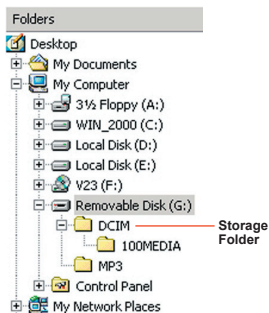


2. Double-click on the desired file, and the file will be opened by the program matching the file's type.



► File Location

After connecting the camera to your computer, a removable disk will appear in your computer. Under the disk you can find all files stored in your camera. Refer to the figure on the right to see where the files are stored.

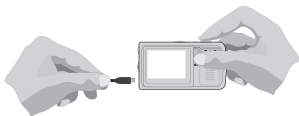


► Copying MP3 files to the camera

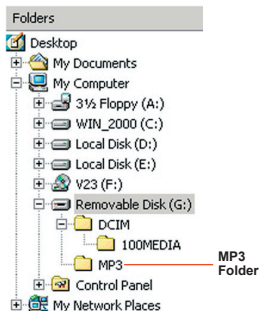


Before playing MP3 music, you need to copy MP3 files to the camera.

1. Connect the camera to your computer by the USB cable.



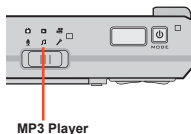
2. You will find a **Removable Disk** in **My Computer**. Browse to the **MP3** folder and copy MP3 files to this folder.



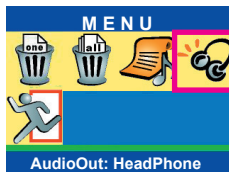
Be sure to copy MP3 files into the MP3 folder, or the camera will be unable to locate the MP3 files.

► Setting the output device

1. Turn on the camera, and set the **Mode Switch** to Playback () mode. Press the **Power Button** () to switch to MP3 Player () mode.

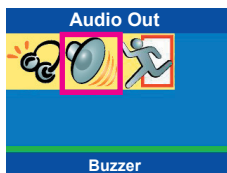


2. Press the **Menu/OK Button** (**Menu/OK**) to switch to the menu screen. In the menu, use the **Left/Right Buttons** ( ) to highlight the **AudioOut** item, and press the **Menu/OK button** (**Menu/OK**) to confirm.



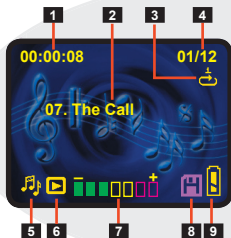
3. In the subsequent menu, use the **Left/Right Buttons** ( ) to select your desired item, and press the **Menu/OK Button** (**Menu/OK**) to confirm. The available items are:

	Headphone: output voice through the earphone connector.
	Buzzer (*) : output voice through the speaker.
* default setting	



► Playing MP3 music

MP3 player mode LCD illustration



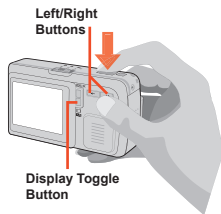
- | | |
|---|--------------------------------------|
| 1 Playing time
(hh:mm:ss) | 5 Mode indicator |
| 2 Title of the song | 6 : Play
: Pause
: Stop |
| 3 Repeat type:
: Repeat one
: Repeat all | 7 Volume |
| 4 Current/
Total tracks | 8 SD card present |
| | 9 Battery life |



Before going to the following steps, please insert the earphone to the earphone connector on your camera first if you set output setting as headphone.

- 1.** While in MP3 Player (🎵) mode, press the **Left/Right Buttons** (◀▶) to select your desired song.

- 2.** Press the **Shutter/Record Button** to play or stop the music. To pause or resume the music, you can press the **Display Toggle Button** (⏏). To adjust the volume, you can press the **Left/Right Buttons** (◀▶).



► Playing MP3 music (continued)

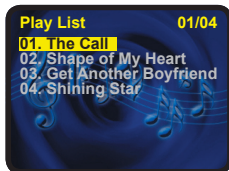
3. While playing MP3 music, pressing the **Menu/OK Button** (**Menu/OK**) will lock the current status. Once you enable the lock function, the Hold icon () will display on the LCD panel, indicating all button functions are disabled. To unlock and enable all button functions, press the **Menu/OK Button** (**Menu/OK**) again.



 All buttons will be disabled if no actions are executed for 30 seconds. Then the LCD panel will enter suspend status to save the power. To resume the LCD panel display, press the Menu/OK Button (**Menu/OK**). To enable button functions, press the Menu/OK Button (**Menu/OK**) again.

► Play list mode

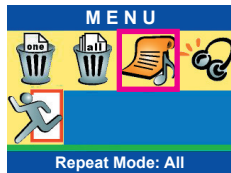
While in MP3 Player () mode under the status that MP3 is not being played, pressing the **Display Toggle Button** () will switch to the Play List mode. To quickly search for your desired MP3 file, you can use the **Left/Right Buttons** ( ) to select. Then press the **Display Toggle Button** () to confirm.



► Repeating playing

1. While in MP3 Player () mode, press the **Menu/OK Button** (**Menu/OK**) to switch to the menu screen.

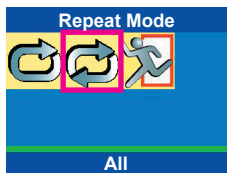
2. In the menu, use the **Left/Right Buttons** ( ) to highlight the **Repeat Mode** item. Then press the **Menu/OK Button** (**Menu/OK**) to confirm.



► Repeating playing (continued)

3. In the subsequent menu, use the **Left/Right Buttons** (◀ ▶) to select the desired item, and press the **Menu/OK Button** (Menu/OK) to confirm. The available items are:

	Repeat One: repeat the selected song.
	Repeat All: repeat all songs.

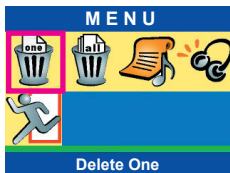


Under the Repeat One mode after you exit the menu window, use the Left/Right Buttons (◀ ▶) to select the song you want to repeat. Then press the Shutter/Record Button to start playing.

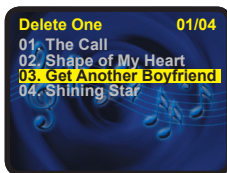
► Deleting MP3 files

1. While in MP3 Player () mode, press the **Menu/OK Button** (**Menu/OK**).

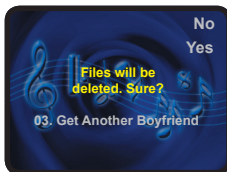
2. In the menu, use the **Left/Right Buttons** (**◀▶**) to highlight the **Delete One** or **Delete All** item, and press the **Menu/OK Button** (**Menu/OK**) to confirm.



3. If you select **Delete One**, use the **Left/Right Buttons** (**◀▶**) to select the song you want to delete, then press the **Menu/OK Button** (**Menu/OK**).

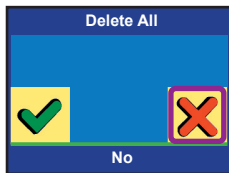


In the subsequent setting screen, press the **Display Toggle Button** (**|□|**) for **Yes** or the **Menu/OK Button** (**Menu/OK**) for **No**.



► Deleting MP3 files (continued)

4. If you select **Delete All**, use the **Left/Right Buttons** (◀ ▶) to select **Yes** or **No** in the subsequent menu. Then press the **Menu/OK Button** (Menu/OK) to confirm.



Deleted files are gone forever and cannot be restored.

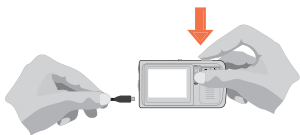
► Installing the PC Camera software

You need to install PC Camera software to take advantage of the PC camera function. If you have not yet installed the software, please refer to page 42 for details on installing the package.

► Starting the application

1. Turn off the camera.

2. Press and hold down the **Shutter/Record Button** fully and connect the camera to your PC.

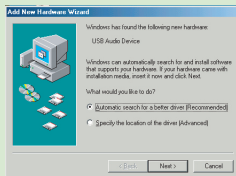


If you want to use the Video Conferencing function, please install programs such as "Netmeeting" to serve the purpose.



Notice for Windows ME users:

When the following screen appears, please select Automatic search for a better driver and click **Next** to continue.

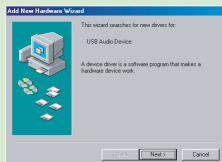


► Starting the application (continued)

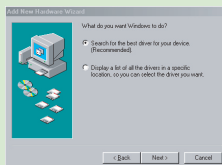


Notice for Windows 98SE users:

1. Click on **Next** when the following screen appears.



2. When the following screen appears, please select **Search for the best driver for your device** and click on **Next** to continue.



3. During the installation process, some users might be asked to insert a licensed 98SE CD into the CD-ROM drive to copy the needed files.
4. Follow the on-screen instructions to finish the installation.



Notice for Windows 2000 users:

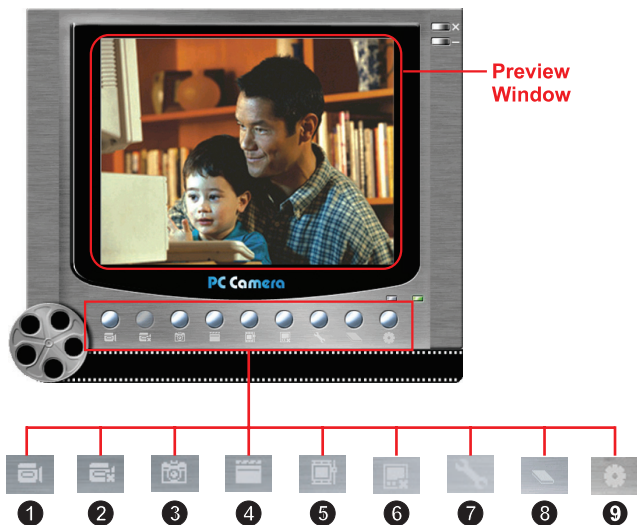
When using the PC Camera function for the first time, the “Digital signature” warning message may appear twice or more. Please click on **Yes** to continue. The camera is fully compatible with Windows 2000 operation system.

3. Double-click the shortcut icon () on the Desktop to start the program. After the program is started, you can begin to use the PC camera function.



If you cannot find the program shortcut on the desktop, you can start the program from the Programs menu.

► The application interface



1 Start recording a video clip

2 Stop recording

3 Snapshot

4 Format *

5 Properties *

6 Start/Stop preview window

7 Setting *

8 Open album

9 Select video source

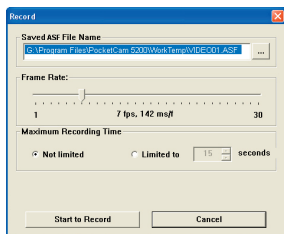
* Sub-menu is available.



To view pictures taken by PC Camera, please click on  to open the photo album. Or, as an alternate option, go to the "Work Temp" folder to find files taken by the program. The full path is as following:
C:\Program Files\PocketCam 5200\Work Temp

► Recording a movie

1. Click on the  icon.
2. Press  to specify the path and name of the ASF file.
3. Set the frame rate and recording time according to your needs.
4. Press the Start Record button to begin recording.
5. To stop recording, click on the  icon.



► Taking a snapshot

Click on the  icon to take a snapshot.

► Format options

Color Space:

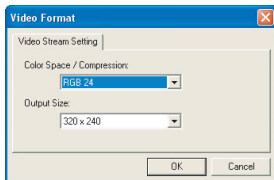
Select one of the following functions according to your needs.

◆ **RGB 24:** This item is for retaining better quality.

◆ **I420:** This item indicates the ASF movie will be more compressed to gain the advantage of faster processing speed.

Output Size:

Set output size to change the size of the preview window. The default size is 320x240. Select larger pixels when you need a larger preview window.



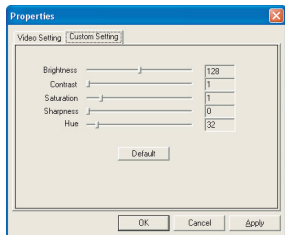
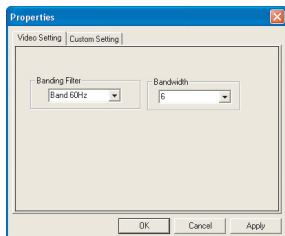
► Properties options

Video setting:

- ◆ **Banding Filter:** If the screen of your computer flickers when using PC Camera function, change this setting to avoid noise.
- ◆ **Bandwidth:** If the network bandwidth is congested when using PC Camera, select a smaller value in the “Bandwidth” item to avoid this problem.

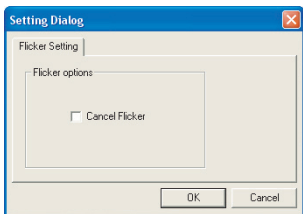
Custom setting:

You can use the default settings, or change the settings (such as brightness, contrast, saturation, and sharpness) on your own.



► Flicker options

If you take your camera abroad, and find the screen of your computer flickers when using PC Camera function, please check the **Cancel Flicker** box to prevent noises from appearing on the screen. Or, you can refer to the **Flicker Settings Table** (see Addenda) for proper flicker value that suits the country you are staying.



TROUBLESHOOTING

When using the camera:

Q1: The camera cannot be turned on normally.

- A: 1) The battery may be out of power. Please change the battery.
2) Make sure the battery is correctly installed.

Q2: Can not take pictures or video clips when pressing the Record/Shutter button.

- A: 1) The storage media may be full. Please free some space from the SD/MMC card or the internal memory.
2) Check if the camera is recharging the flash strobe.
3) If you are using a SD card, check if the card is set to "protected".
4) If the LCD screen displays "MEMORY ERROR" or "CARD ERROR" message, please set the camera to Settings mode and format the storage media. (p. 41)

Q3: I did not delete the pictures and video clips, but can not find them in the memory.

- A: 1) Check if you take pictures and video clips and then insert a SD/MMC card. The camera will use the card as the main storage media and files previously stored in the internal memory will be inaccessible until the card is removed.
2) Check if the "File Sort" option is set to displaying a particular file type. If yes, you can set the option to "All" or restart the camera to access other files. (p. 33)

Q4: I cannot use the flash strobe.

- A: If the battery life icon indicates , the flash strobe may be disabled due to insufficient voltage. Please change the battery immediately.

Q5: The pictures taken appear too blurred.

- A: Please adjust the focus as appropriate.

Q6: The pictures or video clips taken appear too dark.

- A: Make sure the environment of shooting or recording has adequate light. Or you may consider using flash strobe when taking pictures.

TROUBLESHOOTING

Q7: Noises occur when viewing images on the LCD screen or on the computer.

A: Check if the flicker setting matches the place you are staying. For more information, please refer to the Addendum section - "Flicker Settings Table". (p.67)

When connecting the camera to the computer or TV:

Q1: I can not view the video clips on my computer.

A: Please install Direct X 8.1 or above and Windows Media 9.0 Codecs to solve this problem. See page 42 for details on installing the driver, or go to <http://www.microsoft.com> to download the required files.

Q2: The driver installation failed.

A: 1) Please remove the driver and other related programs. Follow the installation steps in the manual to reinstall the driver.
2) Make sure you install the driver before plugging in the USB cable.

Q3 The TV screen does not display after connecting the camera to the TV.

A: 1) Please use the accessory cable. If you use your own cable, make sure the cable has three connectors. If you use a 3-connector cable and still cannot see display on TV, please try connecting the connector in different order (not by its color).
2) Check if the camera is correctly connected to the TV.
3) Make sure the TV Out is correctly set in the camera settings. Please see page 39 for more details.

Q4 A conflict with other installed camera or capture device occurred.

A: If you have any other camera or capture device installed in your computer, please completely remove the camera and its driver from the computer to avoid the conflict.

Q5 Noises occur on my computer screen when using Video Conferencing.

A: Please set the flicker filter to match the place you are staying. See "Flicker options" for more details. (p. 62)

TROUBLESHOOTING

Q6: If the TV Out is set to On in the camera settings, the camera LCD will become blank. I want the display back to the camera LCD.

- A: 1) If your camera has been connected to TV, the display will be shown by TV screen. Please set the TV Out to Off (p. 39) by TV screen, then unplug the AV cable.
2) If your camera is not connected to TV yet, press the Shutter/Record button to reactivate the camera LCD.

Q7: After restarting the camera, the settings I changed are not present.

- A: 1) If the camera is shut down abnormally (such as opening the battery cover while power-on), the revised settings will not be recorded.
2) Certain settings will automatically switch back to default value after the camera is turned off.

When using the MP3 player:

Q1: I cannot play the song. I cannot hear the sound of music.

- A: 1) Check if the output setting is properly set according to your desired output system (speaker or headphone.)
2) Check if the volume is properly adjusted.

Q2: I cannot play MP3 files and the title of the song displays strange characters.

- A: This problem is probably caused by double-byte characters (such as Chinese, Korean, etc.). Rename these files before uploading them to the camera.

Storage Capacity Table

Memory	Still picture (pic.)				Video (mm:ss)		Audio (mm:ss)
	2560x1920	2048x1536	1600x1200	1280x1024	640x480	320x240	
Flash memory (12MB)	9	15	24	139	0:30	1:55	48:39
SD/MMC card (32MB)	25	41	68	320	1:15	4:47	121:37
SD/MMC card (64MB)	48	80	136	640	2:30	9:34	243:14
SD/MMC card (128MB)	97	160	272	1280	5:00	19:08	486:28
SD/MMC card (256MB)	194	320	544	2560	10:00	38:16	972:56
SD/MMC card (512MB)	389	640	1088	5120	20:00	76:32	1945:52
Size/picture (average)	1200K	730K	400K	102K			

★ This chart is for your reference. The actual capacity may be slightly different depending on the complexity of your subject and environment.

AV System Settings Table

System	Applicable areas
NTSC	America, Taiwan, Japan, and Korea...etc.
PAL	Germany, England, Italy, Netherlands, China, Japan, and Hongkong...etc.

System Message Table

Message	Description
No Files	When the camera is set to Playback mode without any existing file to play, this message will show up.
Please Change Batteries	The camera is under the status of low power. You should change the batteries immediately.
Memory Full	The storage memory is full and can not store any more files. Please change the SD/MMC card or delete some files to free some memory space.
Card Error	The inserted card is not compatible with the camera. Please change the card or try formatting the card.
Memory Error	The camera can not access data in the internal memory. Please format the media to solve this problem.
Deleting	The camera is performing file deletion.
Formatting	The camera is formatting the storage media.

Flicker Settings Table

Flicker	Country
50Hz	China, England, Germany, Italy, Japan, Netherlands, Portugal, Spain, etc.
60Hz	America, France, Japan, Korea, Taiwan, etc.

* The flicker setting is based on the frequency standard of your local power supply.

Specifications

Sensor effective resolution	3 Mega (2048x1536) pixels
Interpolated resolution	5 Mega (2560x1920) pixels
Internal memory	16MB flash memory (12MB storage)
External memory	Built-in SD/MMC card slot (maximum: 512MB)
Digital still camera	JPEG (.JPG) format 2560x1920 (5 Mega) pixels 2048x1536 (3 Mega) pixels 1600x1200 (2 Mega) pixels 1280x1024 (1.3 Mega) pixels
Digital video camcorder	ASF (640x480 pixels) / up to 20 fps ASF (320x240 pixels) / up to 30 fps
Digital voice recorder	WAVE (.WAV) format with 12MB memory Recording time: approximately 50 minutes
PC Camera	VGA (640x480 pixels) / up to 30 fps QVGA (320x240 pixels) / up to 30 fps
LCD display	2" Color LTPS LCD
Digital zoom	4X (real-time)
A/V output	Yes (NTSC/PAL system)
Built-in microphone	Yes
Built-in speakers	Yes
Built-in flash strobe	Yes
Built-in earphone connector	Yes
Self Timer	10 seconds
Interface	USB 1.1 (USB 2.0 compatible)
Battery	8210 Series Li-Ion Battery

* Specifications are subject to change without notification.