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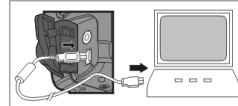
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Chapter 1 Attention

1-1 Quick Installation Guide

1. Insert the CD-ROM into your CD drive and software installation menu will appear on the computer screen automatically.
2. Click Utility driver to install the digital camera software. Follow the on-screen instructions to proceed.
3. Once Setup finishes installing all the necessary files on your computer, Please restart your computer to complete Setup.



To select the **PC Camera** or **Mass Storage** items in the **PC Connection** menu, perform the following.

Power on the camera and toggle the **Mode Dial** to **PC**. The **PC Camera** and **Mass Storage** two menu items will appear on the LCD Monitor.

Pressing the arrow buttons **▲** / **▼** on the MENU/ENTER

Button to move and select the desired menu items. Pressing the **■** or **▶** button to confirm save the settings.

4. To select the **PC Camera**, Pressing the **■** or **▶** button to confirm and save the settings.
5. If a "Connect USB" message pops up on the LCD Monitor, Please connect the USB cable to the camera and PC to complete the configuration. Press the **Shutter** to confirm, and the system will configure the device automatically.

6. Unplug USB cable and re-power on the camera, then To select the **Mass Storage**, Pressing the **■** or **▶** button to confirm and save the settings.

7. If a "Connect USB" message pops up on the LCD Monitor, please connect the USB cable to the camera and PC to complete the configuration. Press the **Shutter** to confirm, and the system will configure the device automatically.

8. Installing the Applications for PC (Install Arcsoft Software)

1-2 How to acquire images from the camera

1. When selecting the **Mass Storage mode**, Press the **Shutter** to confirm. In my Computer, it will appear a **Removable Drive**. You can access the images recorded in the camera from the PC.
2. Installing the Applications for PC (Install Arcsoft Software as PhotoImpression). The following is the instruction of how to get Images from Arcsoft PhotoImpression

- (A). Open up **Arcsoft PhotoImpression**, select "From Folder"
- (B). Click on Browse, and then select the path "**Removable Disk (E:)\100FSCAM**" to Acquire images

1-3 How to use Web Camera

1. Installing the Applications for PC (Install Arcsoft Software as PhotoImpression or VideoImpression).
2. When selecting the **PC Camera mode**, Press the **Shutter** to confirm, your computer software applications show real-time Video images. The camera can be used for Video conferencing or recording movies.

1-4 Operation Caution

This product consists of intricate electrical parts. To ensure the photography normally, do not drop or hit the camera when taking pictures.

● Avoid to use or place the camera in the following locations:

1. Damp and dusty places.
2. Sealed vehicles or places exposed to direct sunlight or places subject to extremely high temperatures or heat.
3. Violently turbulent environment.
4. Locations full of smoke, oil fumes or steams.
5. Locations subject to strong magnetic field.
6. Raining or snowing environment.

● Do not open the battery cover when the power is on.

● If water has entered the camera, immediately turn the power OFF and remove the batteries.

● How to maintain your camera:

1. If lens, LCD monitor or viewfinder surface is dirty, please use lens brush or soft cloth to wipe clean instead of touching the lens with you fingers.

2. Do not use any solid object to hit the camera to avoid scratching the lens, LCD monitor or viewfinder surface.

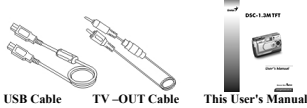
3. Do not use any detergent or volatile solution, which will subject the camera case and paint to solving or distortion. Use soft cloth only.

1-5 Package Contents

Please check if the following items are in the package when purchasing this product.



CD-ROM (incl. Camera Driver) Pouch Wrist Strap 2 x AA Alkaline Batteries



USB Cable TV-OUT Cable This User's Manual

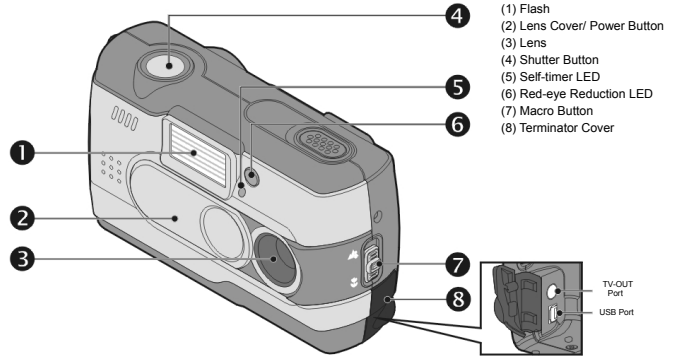
- CD-ROM (incl. Camera Driver)
- Pouch
- Wrist Strap
- 2 x AA Alkaline Batteries
- USB Cable
- TV-OUT Cable
- This User's Manual

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Chapter 2 Getting to Know Your Camera

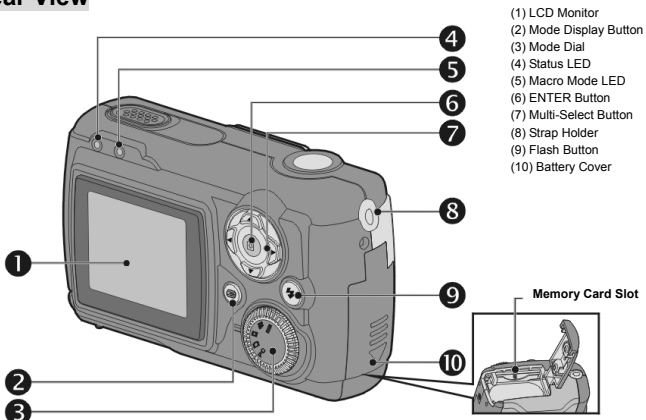
2-1 Names of Parts

Front View



4

Rear View



- (1) LCD Monitor
- (2) Mode Display Button
- (3) Mode Dial
- (4) Status LED
- (5) Macro Mode LED
- (6) ENTER Button
- (7) Multi-Select Button
- (8) Strap Holder
- (9) Flash Button
- (10) Battery Cover

Memory Card Slot

5

2-2 Specifications

- Lens: F=8.5 mm
- Image Sensor: 1/2" CMOS with 1.3 mega pixels
- Focus: F=3.5
- Sensitivity: ISO 100
- White Balance: Auto, Sun, Tungsten, Fluorescent.
- Shutter: Electrical
- Shutter Speed: 1/4 sec. ~ 1/2000 sec.
- Storage Media: 8MB Internal Flash Memory
SmartMedia™ Card (MMC compatible) Slot
(support 4/8/16/32/64/128MB)
- Image File Format: Still Image for JPEG
Motion Image for JPEG
- Image Resolution: FINE: 1600 x 1200
(Fireware Interpolation Technology)
MED: 1280 x 1024
LOW: 640 x 480
- Digital Zoom: 10-Step 2X Digital Zoom
- Focal Range – Standard: 60cm ~ Infinity
- Focal Range – Macro: 20 ~ 25cm
- Self-timer: 10 sec. delay
- PC-CAM Mode: CIF (320 x 240) 20~30 fps
VGA (640 x 480) 15~25 fps
- Flash Mode: Auto, Red-eye reduction, Off
- TV-OUT: NTSC / PAL system selectable
- PC Connector: USB (Ver. 1.1)

- Movie File: Recording 60 sec. Continuous movie file with CIF (320 x 240) format (8MB internal memory)
- Recordable Image Numbers (8MB):
(640 x 480) Approx. 65 images
(1280 x 1024) Approx. 20 images
(1600 x 1200) Approx. 15 images
- Power Supply: 2 x AA Alkaline Batteries or supports CRV-3 USB 5V (PC-CAM Mode)
- Dimensions: 93 x 56 x 38 mm
- Weight: About 120g (batteries excluded)

2-3 System Requirement

Please refer to the minimum system requirements for the digital camera. We recommend that you use a computer system that exceeds the minimum requirements in order to utilize the camera at its optimum efficiency. The minimum system requirements for the digital camera is as the following:

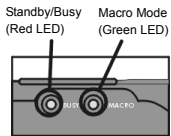
System	Requirement
OS	Microsoft Windows 98SE/Me/2000/XP
CPU	Intel Pentium 166MHz or higher
Memory	Minimum 64 MB memory or above
CD-ROM	4X or above
HDD	Hard drive with 10 MB free disk space minimum
Others	One standard USB 1.1 port

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Chapter 3 Controls, Operation, and Display

3-1 LED Indicators

The meanings of the LED indicators located on the top of LCD monitor are:



LED Status		Description
Red	On	The camera is busy, please continue to perform the operation after the camera restore to be blinking
	Blinking	Camera is powered on and standby
Green	On	Macro mode
	Off	Basic Mode for photography

3-2 LCD Monitor Display

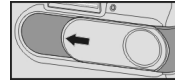


- (1) Image resolution
- (2) Image quality
- (3) Current working mode
- (4) Memory card loaded symbol
- (5) Possible number of shots
- (6) Self-timer photography
- (7) White balance display
- (8) Morning/Afternoon display
- (9) Time display
- (10) Date display
- (11) Remaining battery power
- (12) Zoom lever
- (13) Flash status

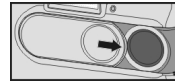
7

3-3 Power Supply

- Slide the lens cover toward left gently and turn on the camera after two beeps sound.



- Slide the lens cover toward right gently and turn off the camera.



- Using the lens cover located on the front of the camera to turn n/off camera. After turn on the camera, the red LED will be blinking, and then the last image recorded appears on the LCD monitor.

※If no operation is carried out for a fixed amount of time (default: about 1 minute), the power is turned OFF to prevent battery wear. This is called "Auto Power OFF".

You can press the "Mode Display Button" to restart the camera.

※The following features will automatically save the configuration before turn off the camera unless you ever selected "Reset Default" to restore its factory anticipated settings.

1. Resolution
2. Quality
3. OSD Language
4. White Balance
5. EV Compensation
6. TV-Out
7. Light Frequency
8. PC Mode

8

3-4 Shutter Button



This camera is designed for 2-step shutter function. A "[]" mark will appear on the center position on the LCD monitor when you press and hold the **Shutter** button down half way. Then press the **Shutter** button down fully and the camera beeps; release **Shutter** button to take a picture.

3-5 Mode Dial



● You can select the working mode by using this Mode Dial:

1. **PC Mode**
2. **Record Mode**
3. **Play Mode**

4. **Movie Mode**
5. **SET Setup Mode**

3-6 MENU/ENTER Button



You can perform different operation in the different mode by using **MENU/ENTER** button, e.g. select, confirm, go forward and reward.

3-7 Flash Button



● This button is only working in the **Record Mode**. Press this button to select the desired flash mode while taking a picture and there are 4 modes available:

- Auto →
 Auto and Red-eye reduction →
 Off →
 Auto

3-8 Mode Display Button

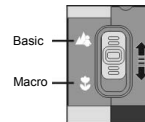


1. This button is only working in the **Record Mode**. Press this button you can toggle the several LCD monitor displays: Standard → Full Display → Image Only → LCD Monitor Off → Only Operation Settings → Standard
2. Press the "**Mode Display Button**" to enter the "**Play Mode**" to view the images when the camera is power off.
3. In the **Record Mode**, the camera will be auto power off cause of the power saving function. You can press the "**Mode Display Button**" to turn on the camera again.

※If you selected the **Macro Mode** when using the camera, the flash off function will be enabled automatically.

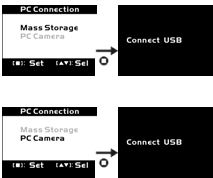
3-9 Macro Button

- Slide down and up the **Macro** button at the side of camera to switch between **Basic** and **Macro** modes. When you selected the **Macro** mode, the green LED located on the top of the LCD monitor will be on.



Chapter 4 Navigating Modes and Menus

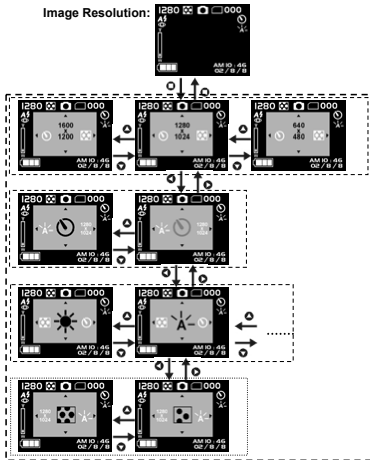
4-1 Mode Selection



4-2 Record Mode



→ For more information, please refer to the "3-2 LCD Monitor Display" section in page 8.



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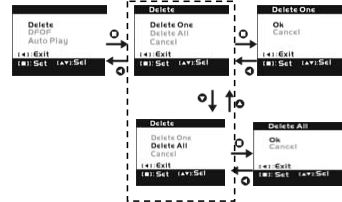
4-3 Play Mode



- (1) Possible number of shots
- (2) Remaining battery power
- (3) Mode Selection

Index for Quick Menu:

1. Delete Pictures



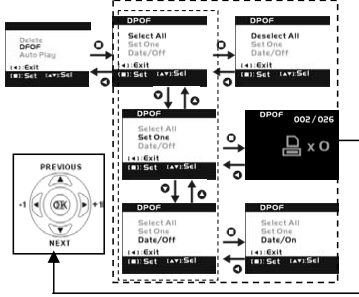
2. Slideshow



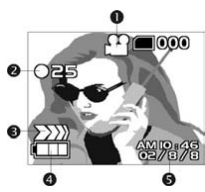
3. DPOF (Digital Print Order Format) Settings

- With DPOF for printing your images, there are three options for you: print one image, print all images and print the recorded date or not.
- DPOF function can only be operated with the printer settings of the memory card inserted, not active with internal memory.
- ※ If no memory card inserted, even there are images stored in the internal memory, the DPOF function will be disabled.

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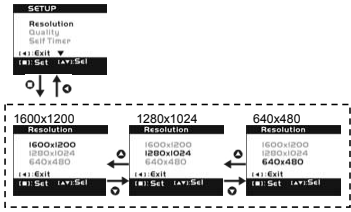
4-4 Movie Mode



- (1) Movie Mode
- (2) Recorded Movie Time (seconds)
- (3) Recording the movie pictures
- (4) Remaining battery power
- (5) Time/Date

4-5 Setup Mode SET

1. Image Resolution



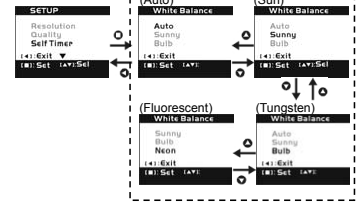
2. Image Quality



3. Self-timer



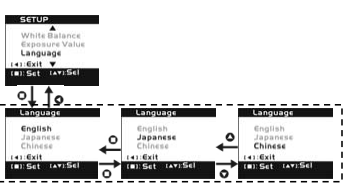
4. White Balance



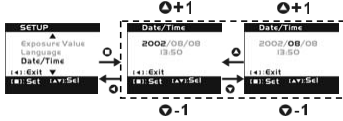
5. EV Compensation



6. OSD Language



7. Date/Time



8. Reset to default factory anticipated settings



9. Format Media



※ If there is a memory card inserted, it will only format the memory card, not the internal memory.

10. TV-Out Operation

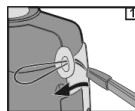


11. Light Frequency

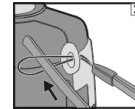
Select the correct frequency type (50Hz or 60Hz) according to your region.



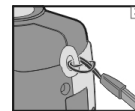
5-1 Attaching the Strap



● Insert the thin end of strap into the strap holder.



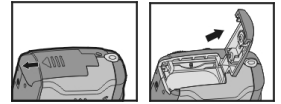
● Pass the other end of strap through the loop.



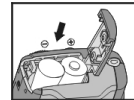
● Stretch the strap tightly.

5-2 Loading Batteries

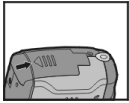
● Turn off the power of camera.
 ● Insert 2 x AA alkaline batteries or a rechargeable battery. Please make sure the batteries are full of power. If the batteries are in low power, please change the new batteries as soon as possible for keep the camera operating normally.



● Slide the switch on the battery cover in the direction indicated by the arrow.



● Insert the batteries as indicated on the inner side of the cover.



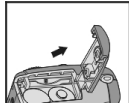
- Close and lock the battery cover.

NOTE:

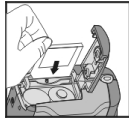
Do not open the cover roughly to avoid damaging the battery compartment cover.
 ↳ If the battery power indicator shows only one black block that means the power is wear, you can continue to use the flash.
 ↳ When the battery indicator turns red, you cannot take still and movie pictures any more.

5-3 Loading and Removing the Memory Card

- Make sure to turn off the camera.
1. Loading the memory card.



- Slide the switch on the battery cover in the direction indicated by the arrow.



- Insert the memory card in the direction of the arrow.

2. Removing the memory card



- Press the memory card down gently.



- The memory card will bounce upward.



- Pull the memory card out with your fingers in the correct direction.

NOTE:

Before using the camera, please remember to insert the memory card into the slot. If the memory card is full or there are already images stored in it, you can toggle the **Mode Dial**

- to **Setup Mode [5.1]** and then select "**Format**" item to format the memory card. Please make sure you had backup the important data stored in the memory card.

- ↳ There is 8MB internal memory built-in in the camera for saving your data:
 If there is a memory card inserted, it will be the top priority for saving data.
 If you want to store data in the internal memory, please remove the memory card first.
- The specification of memory card applicable to this camera is SD or MMC (4/8/16/32/64/128MB).
- If inserting the memory card in the wrong direction, it cannot be fit in. Do not insert the card roughly to avoid damage.
- If the camera detects no memory card, please gently wipe the metal interface of the card with a soft cloth and reloading the card again.

5-4 Setting Up the OSD Language

Before using the camera, please turn the **Mode Dial** to **Setup Mode [5.1]** and then select "**Language**" to set the OSD language. There are 3 options for your selection: English, Traditional Chinese, and Japanese.










5-5. Date/Time

Before using the camera, please turn the **Mode Dial** to **Setup Mode [5.1]** and then select "**Date/Time**" to set the date and time.

Chapter 6 Getting Started





6-1 Setup Mode

By using the **Setup Mode**, you can adjust the basic camera functions, including: Image Size, Image Quality, Self-timer, White Balance, EV Compensation, OSD Language, Date/Time, Preset Settings, Format Media, and TV-Out items. To setup these items, perform the following:












1. Toggle the **Mode Dial**  to **Setup Mode** .
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, the red LED will be blinking, and then the setting up screen will shown on the LCD monitor.
3. By pressing the arrow button  /  on the **MENU/ENTER Button**  to move and select the menu items.
4. By pressing the arrow button  on the **MENU/ENTER Button**  to enter the selected menu items.
5. By pressing the arrow button  on the **MENU/ENTER Button**  to return the previous menu.

6-2 Record Mode

Record Mode offers you a quick and easy way to take the ideal pictures you want.












1. turn the **Mode Dial**  to **Record Mode** .
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, and then the last image recorded appears on the LCD monitor.
3. Press and hold the **Shutter** button down half way to focus the objects. The camera will process metering and a yellow "[L]" will appears in the center position of LCD monitor. Press and hold the **Shutter** button continually and it will keep the metering value. Press the **Shutter** button down fully and release the **Shutter** button. Then you will hear two beeps sound and take a picture completely.
4. When taking a picture, you can press the **Flash Button**  to set the desired flash modes: Auto, Red-eye reduction, and Off.
5. Press the **Mode Display Button**  to choose the LCD Monitor displays and there are five display modes: Standard Display, Full Display, Image Only, LCD Monitor Off, Only Operation Settings.

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6. Using the **MENU/ENTER Button**  to set the details settings for recording images, e.g., Image Resolution, Image Quality, Self-timer, and Light Frequency settings. By pressing the  button on the center of the **MENU/ENTER Button**  button, the menu items will appears on the LCD monitor. Pressing the arrow buttons  /  /  /  on the **MENU/ENTER Button**  to move and select the desired menu items.
7. By pressing the arrow buttons  /  on the **MENU/ENTER Button**  to adjust the digital zoom and a message of digital zoom will appears on the left side of the LCD Monitor.
8. Slide down and up the **Macro Button** at the side of camera to enable the Macro photography. After you selected the **Macro Mode**, the Macro LED located on the top of the LCD monitor will light green.
⚠ If the low batteries power icons appears on the LCD Monitor, please change the new batteries immediately for keep the camera operating normally.
⚠ If the "Memory is not enough!" warning message appears on the LCD Monitor. It means the memory card is full, please removing the memory card and insert a new one immediately.


6-3 Play Mode

In Play Mode, users can review the recorded still and movie pictures. To review the pictures, perform the following:

1. Toggle the **Mode Dial**  to **Play Mode** .
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, and then the last image recorded appears on the LCD monitor.
3. By pressing the arrow buttons  /  on the **MENU/ENTER Button**  to review the previous and back image.
4. By pressing the  button on the center of the **MENU/ENTER Button**  button, you can enable the "Delete", "Slideshow" and "DPOF" functions.
5. By pressing the arrow button  on the **MENU/ENTER Button**  to enter the selected menu items.
6. By pressing the arrow button  on the **MENU/ENTER Button**  to exit the menu.
⚠ DPOF function can only be operated with the memory card inserted.
⚠ If there is no image stored in the internal memory or memory card, a "No picture" message pops up on the LCD Monitor in



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the **Play Mode**.

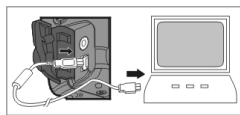
Press the **Mode Display Button**  to review the images when the camera is power off. Press the **Mode Display Button** again will turn off the LCD Monitor.

6-4 Movie Mode







You can use **Movie Mode** to record movie pictures (not including audio). To record the movie pictures, perform the following:

1. Toggle the **Mode Dial**  to **Movie Mode** .
 2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, and then the last image recorded appears on the LCD monitor.
 3. Press the Shutter button to start recording. Press the **Shutter** button again to stop recording.
 4. The LCD Monitor will show the recorded time (seconds) while you are recording the movie pictures.
- Ⓢ To record the movie pictures, the maximum recording time will depending on the free space of the memory card.

6-5 PC Mode



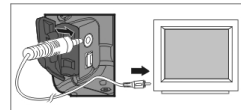
- To select the **PC Camera** or **Mass Storage** items in the **PC Connection** menu, perform the following:



1. Power on the camera and toggle the **Mode Dial**  to **PC**. The **PC Camera** and **Mass Storage** two menu items will appears on the LCD Monitor.
2. Pressing the arrow buttons  /  on the MENU/ENTER Button  to move and select the desired menu items. Pressing the  or  button to confirm and save the settings.
3. If a **"Connect USB"** message pops up on the LCD Monitor, please connect the USB cable to the camera and PC to complete the configuration.
Ⓢ Once save the settings, the camera will keep these menu settings before you change them again.

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6-6 TV-Out Operation

Using the **TV-Out** function offered by the camera, you can transfer the images to the other display devices, e.g. TV or computer. To transfer the images, perform the following:



1. Please select the correct video type for the connected device before transferring images. Toggle the **Mode Dial**  to **Setup Mode**  and then select correct video output types for your selection: NTSC or PAL.
 2. Please process this function; please use the video cable provided with the camera to connect the camera and output device.
 3. You can turn on the camera. There will no images shown on the LCD Monitor. All the images and information will shown on the output device's display via the video output cable.
- Ⓢ You can perform the camera normally when enable the TV-Out function. The only difference is the location to show the images, and image information will be form LCD Monitor to video output device's display.

Ⓢ While using the camera, after you connect the video cable to the camera, the images will be no longer shown on the LCD Monitor. If you want to restore the display status on the LCD Monitor, please disconnect the video cable from the camera.

7-1 Installing the Camera Driver for PC

You can use the **PC Camera** and **Mass Storage** functions of the camera via PC. To install the proper camera driver, perform the following:

1. Insert the software CD-ROM supplied with the package into the CD-ROM drive.
2. The Auto-run program will be executed and the welcome screen appears:
(If your CD-ROM drive doesn't support the auto-run function. Please double click on the **"My Computer"** icon on the desktop. Double click the CD-ROM drive icon and click the **InstallMgr.exe** file in the root directory.

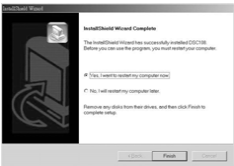


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3. Click the **Install Utility driver** to install driver, and the screen will appear as following:



4. Click the **Next** to continue the setup program. After you installed camera driver successfully, a message will appear on the screen as following:



5. Click **Finish** to restart the computer and finish the camera driver installation.

7-2 Installing the Applications for PC

Install **Arcsoft Software** (Take Photo Impression Installation for example)

1. Insert the software CD-ROM supplied with the package into the CD-ROM drive.
2. The Auto-run program will be executed and the welcome screen appears:
(If your CD-ROM drive doesn't support the auto-run function, Please double click on the **"My Computer"** icon on the desktop. Double click the CD-ROM drive icon and click the **InstallMgr.exe** file in the root directory.

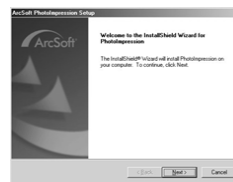


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3. Click the **Arcsoft PhotoImpression** to install, and the screen will appear as following:



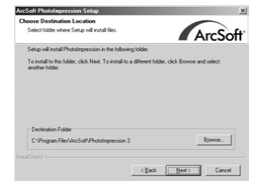
4. Select the language for installation. Click **OK** to confirm your selection.
5. You will see the Welcome screen. Click **Next** to continue.



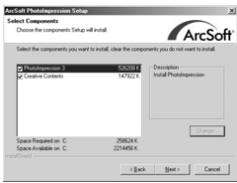
6. Enter **Software License Agreement** window. Please click **Yes** to continue installation.



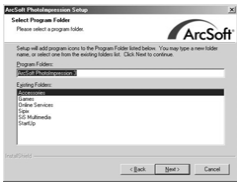
7. Please follow the instructions of installation **Wizard** to select a destination folder and components you need.



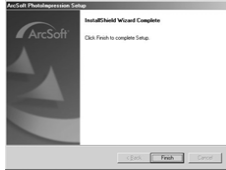
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8. Please select the program folder you want to install



9. When the installation is completed, the window below will appear. Click **Finish** to end the installation.



7-3 Camera Setting on Windows XP

When you plug-in the camera and select PC Camera Mode on Windows XP Operate System, system will configure the device automatically and the following screen will appear:



1. users should click "Next" button.

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2. Users should click "Continue Anyway" button



3. Users should click "Next" button.



4. Users should click "Continue Anyway" button and complete the camera setting on Windows XP.

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