6.0 MEGA Series

Digital Camera

Owner's Manual

| Digital Camera | PC Camera | Mass Storage |

Please read carefully before using this equipment.

Table of Content

Introduction

Thank you for purchasing the 3.1M series digital camera. Everything you need to take quality Digital Photos is included with your camera.

The key Features include

Taking digital photo

Using as webcam

Mass storage(16MB internal memory)
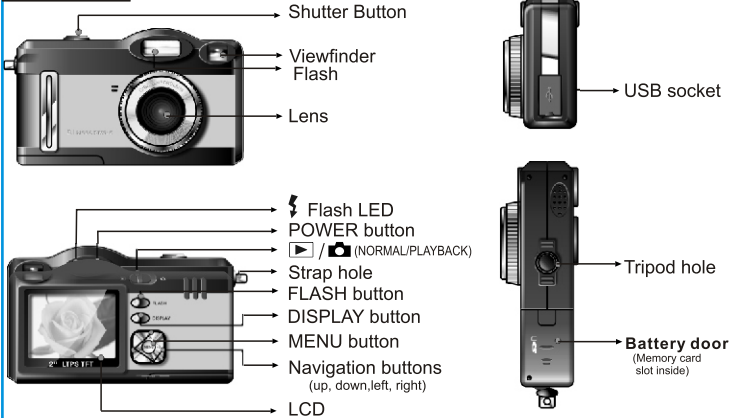
1.5" / 2.0" LTPS TFT LCD

Up to 3.1M pixels

Zoom out 4x

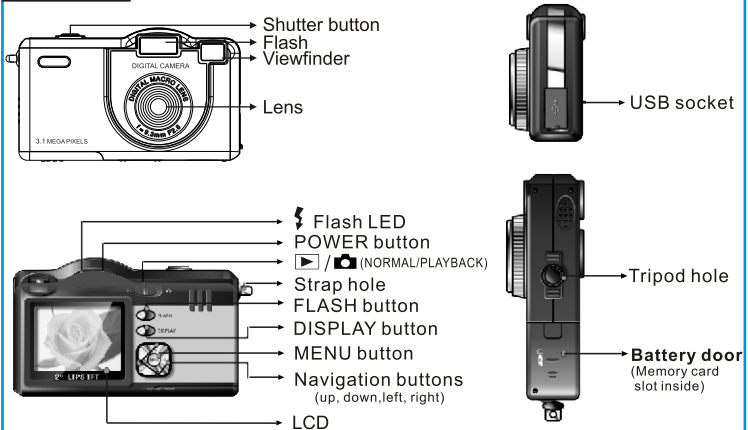## *Computer System Requirements*

- Win 2000/XP
- 125MB free hard disk space or above
- 32MB or more RAM
- Color Monitor (24 bit or above)
- Available CD-ROM Drive
- Available USB socket

Parts of the Camera

CD310CB

→ Shutter Button

→ Viewfinder
Flash

→ Lens

→ USB socket

⚡ Flash LED
POWER button
▶ / 📷 (NORMAL/PLAYBACK)
Strap hole
FLASH button
DISPLAY button
MENU button
Navigation buttons
(up, down,left, right)
LCD

→ Tripod hole

→ **Battery door**
(Memory card
slot inside)

CD310CP

→ Shutter button
Flash
Viewfinder

→ Lens

→ USB socket

⚡ Flash LED
POWER button
▶ / 📷 (NORMAL/PLAYBACK)
Strap hole
FLASH button
DISPLAY button
MENU button
Navigation buttons
(up, down,left, right)
LCD

→ Tripod hole

→ **Battery door**
(Memory card
slot inside)

CD310C3

Shutter Button

Flash

Strap Hole

The monitor used in Self-timer shoot mode

Battery door

Lens

POWER button   LED

Flash button

NORMAL/PLAYBACK

USB socket

MENU/Navigation
(up,down,left,right)

DC socket

Memory card slot

LCD

CD310C5

Shutter Button

Flash

Viewfinder

Lens

Tripod hole

SD card slot

Battery door

POWER button

LED indicator

Strap Hole

FLASH button

DISPLAY button

MENU button

Navigation buttons
(up,down,left,right)

USB Socket

LCD

▢/▶ (NORMAL/PLAYBACK)

CD310CE

Shutter Button

POWER button

PLAYBACK/NORMAL

DISPLAY button

FLASH button

MENU button

Navigation button
(Up/down/left/right)

2" LTPS TFT

LCD

Flash

Lens

USB Slot

Battery Door

Memory card slot

Tripod hole

CD310C9

Shutter Button

POWER button

PLAYBACK/NORMAL

DISPLAY button

FLASH button

MENU button

Navigation button
(Up/down/left/right)

2" LTPS TFT

LCD

Flash

Lens

USB socket

Battery Door

Memory card slot

Tripod hole

CD310CN

Shutter Button

Flash

Viewfinder

Lens

USB Slot

Battery Door

Tripod hole

SD card slot

POWER button
LED indicator
Strap Hole
FLASH button
DISPLAY button

MENU button
Navigation buttons
(up,down,left,right)

LCD

📷/▶ (NORMAL/PLAYBACK)

USB Socket
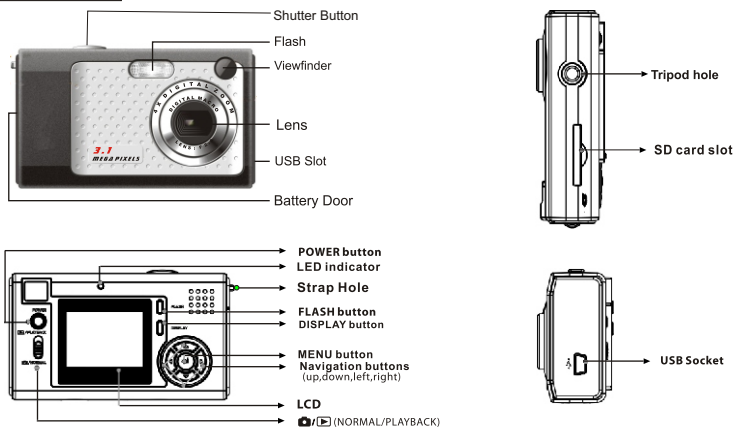
LCD Display

Explanation of Icons

Battery power level

(Full)　　　　　(Medium)　　　　　(Low)

Photo quality

(Standard)　　　(High)

Flash

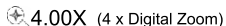$\mathcal{Y}$A (Auto)　　　$\mathcal{Y}$ (ON)　　　 (OFF)

Shooting Mode

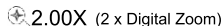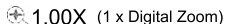(Single)　　　(Video)　　　(Self-timer)

Digital Zoom
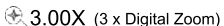
4.00X (4 x Digital Zoom)　3.00X (3 x Digital Zoom)　2.00X (2 x Digital Zoom)
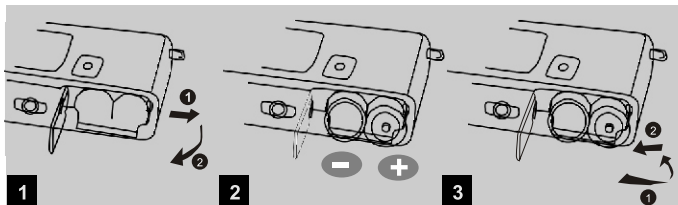1.00X (1 x Digital Zoom)

Setting up your Camera for Use

Batteries Installation

1. Slide the battery bolt to open battery door.
2. Load batteries correctly as the polarity.
3. Close the battery door.

1. The CAMERA **CD310CB**, **CD310C9**, **CD310CP** & **CD310CE** require two AA batteries and use the following polarity (Alkaline batteries are recommended).
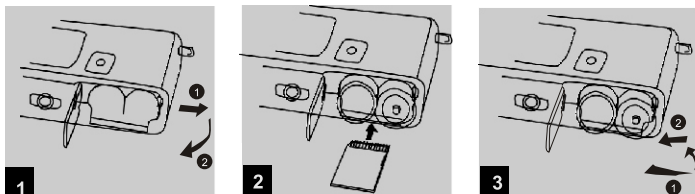

4. The camera **CD310C5**, **CD310CN** require three AAA batteries. It is suggested to use Alkaline(take **CD310C5** as the example)(Refer to the left figure).

5. The camera for **CD310C3** requires lithium battery (3.7V)(Refer to the right figure).
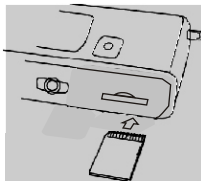
Inserting an Memory Card

For **CD310CB**, **CD310CP** (Refer to above figures):
1. Slide the battery bolt to open the battery door.
2. Push the card firmly into the slot as far as you hear a "click" sound.
3. Close the battery door.

For **CD310C3**, **CD310C5**, **CD310C9**, **CD310CE**, **CD310CN**
(Refer to the below figure):

you are only required to push the card firmly into the slot as far as a click sound given out.

Notes:
1. You are required to insert SD/ MMC card into the card slot before shooting.
2. This product supports SD Card up to 512MB.
3. All the images taken will be stored in the external memory card.
4. About **CD310CP** *,* **CD310CB** *memory card slot is put in battery box, you are required to open the battery cover and then insert an memory card.*

Install Photags Express Software & Camera Driver

NOTE: Make sure that your camera is <u>not</u> connected to the computer. Insert software CD to your computer. After a few seconds, there will be shown an installing main window on the screen.
You can "**install AP**", "**Install Driver**", "**Browse CD**", and "**Exit**" in this installing main window.
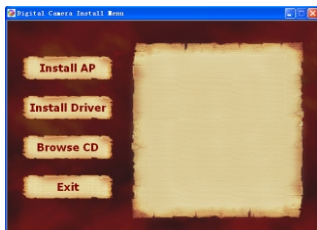
1. Install Photags Express
Click on the "**Install AP**" to start installing process. The language window will be shown on the screen and you can choose the language you want to use.
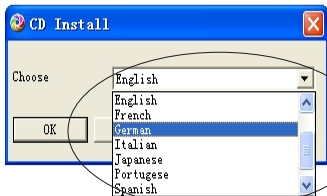
Choose your language

And then the installer window will be shown as below.

Click to start installing

After you click "**Install Photags Express**" button, there will be showing some windows that help you to finish the installing. You are only required to follow the description and click the buttons that it's defaulted by the software.

Register online
Click "**Register online**" button to have a registration. Or you can directly click "**Continue**" for registration next time.

After this step, the main window will appear on the screen.

1. Install Camera Driver automatically
On the installing main window, click "**Install Driver**"**,** and then the software will install the driver automatically. You are only required to click the buttons that it's defaulted by the software.
(Have a look at windows below)

Note: The camera driver is for PC camera function.

3. Browse CD
Click "**Browse CD"** on the main window, you can see what is included in the CD.

Everything you need to get the most from your photos

1.Select photos
Select the photos that you download from your camera. And edit it in the software.

2. Edit photos
Click the "**Enhance photos**", "**Add captions**" from the main window to edit your ideal photos.

3. Share photos
Share your photos via "**E-mail**", "**Printing**", and "**Create HTML web**" to uploading

4. Workshop
Create "**Calendars**", two sides "**Greeting cards**" and "**Postcards**" on standard photo paper. You can purchase "**Album**" and "**Video CD**". Two additional workshop project online at any time and create Photo Album and slide shows on CD that can be viewed on your PC and VCD for viewing on your TV using your DVD player.
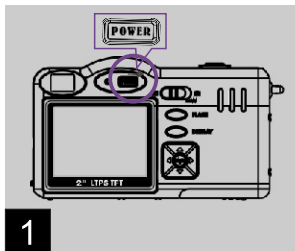
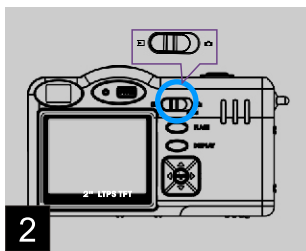# Take Photos *(Take <u>CD310CB</u> as the example)*

Start your Camera

Press and hold the **POWER** button for 3 seconds to start the camera.
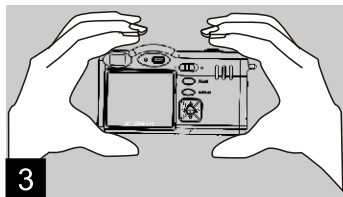
Simply take a Photo
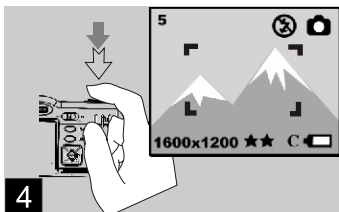

1

1. Press **POWER** button to power on your camera.

2

2. Slide the **NORMAL/ PLAYBACK** Switch to **NORMAL** position.

3

3. Hold the camera steadily.

4

4. Use the LCD monitor to find the objection, and press **Shutter Button** to finish taking photo.

Notes: *The number of photos left to shoot is displayed in the upper left corner of the LCD when you are in the icon mode. When the camera is full of photos, LCD will display "**0**"and show "**Memory Full**". When the memory is full, trying to take a photo will make the camera give out continuous "beep" sound.*

Set your Camera in Use

*Tips: For different module, there is different way to set the **NORMAL** mode and **PLAYBACK** mode.*

- For **CD310C5**, **CD310CB**, **CD310CP**, **CD310CN**
  From **NORMAL** to **PLAYBACK** mode
  You are required to power on your DSC and then slide ▶ / 📷 switch to ▶ position.
  From **PLAYBACK** to **NORMAL** mode
  You are required to power on your DSC and then slide ▶ / 📷 switch to 📷 position.

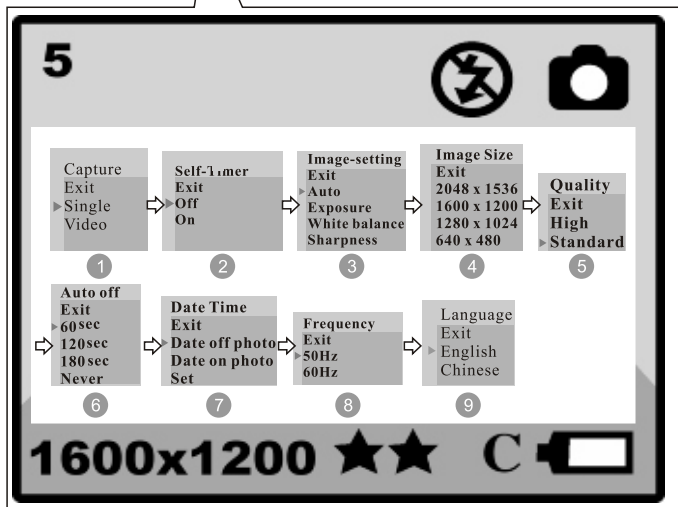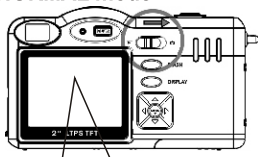- For **CD310C9**, **CD310C3**, **CD310CE**
  From **NORMAL** to **PLAYBACK** mode
  Power on your DSC, the default mode is NORMAL mode. Press ▶ / 📷 to enter ▶ mode.
 From **PLAYBACK** to **NORMAL** mode
  Under PLAYBACK mode, press ▶ / 📷 button to enter 📷 mode.

1. Settings in NORMAL mode

Capture	Self-Timer	Image-setting	Image Size	Quality
Exit	Exit	Exit	Exit	Exit
▶Single	Off	▶Auto	2048 x 1536	High
Video	On	Exposure	1600 x 1200	▶Standard
		White balance	1280 x 1024	
		Sharpness	640 x 480	
①	②	③	④	⑤

| Auto off	Date Time	Frequency	Language
Exit	Exit	Exit	Exit
▶60sec	Date off photo	▶50Hz	▶English
120sec	Date on photo	60Hz	Chinese
180sec	Set		
Never			
⑥	⑦	⑧	⑨

1600x1200 ★★ C

1. Press MENU button, and then press ◀ / ▶ to select the mode that you want to set.
2. Press ▲/▼ button to select the content in the selected mode.
3. Press MENU button again to confirm.

■ **Take Videos**
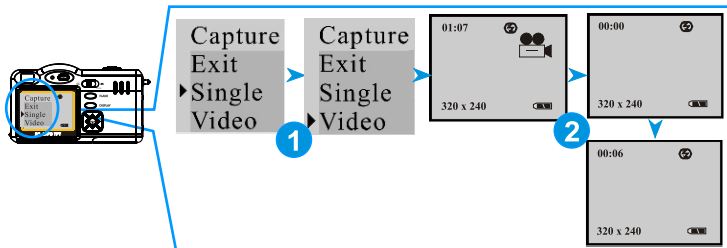
1. Press 【MENU】 / 【▲/▼】 / 【MENU】
2. Press **Shutter Button** to start, press the button again to stop.
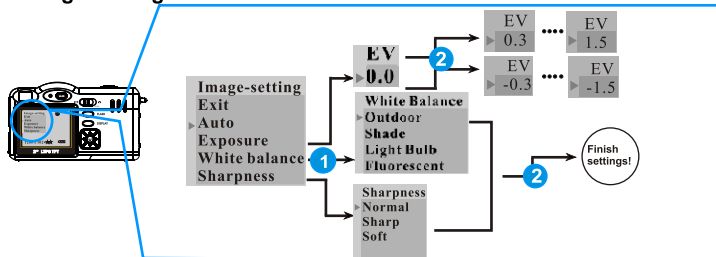   *Tips: The videos will be saved as AVI files.*

■ **Self-timer Photography**
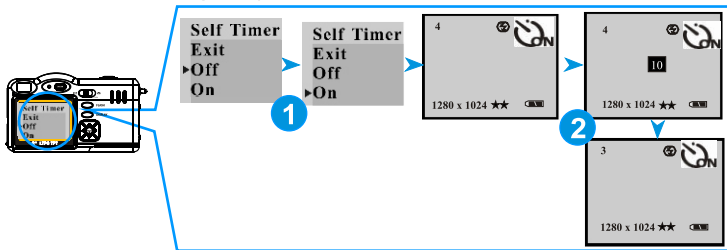
1. Press 【MENU】/【 ▶ 】/【▲/▼】/ 【MENU】
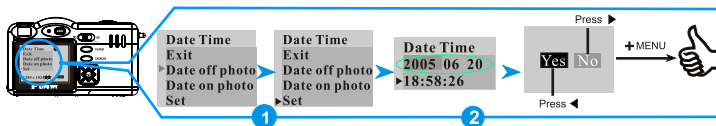2. Press **Shutter Button** to start, the timer will run for 10 seconds before the photo is taken.

■ Image Setting

1. Press ⌈MENU⌋ / ⌈ ▶ ⌋ / ⌈▲/▼⌋ / ⌈MENU⌋ .
2. Press ⌈▲/▼⌋ / ⌈ ⊠ ⌋ to set the EV digit or finish the settings.

Tips: The image setting is at **Auto** *as default.*

■ Date Time Set

1. Press ⌈MENU⌋ / ⌈ ▶ ⌋ / ⌈▲/▼⌋ / ⌈MENU⌋
2. Press ⌈◀/▶⌋ to select the digit, press ⌈▲/▼⌋ to set the digit, then press ⌈MENU⌋ / ⌈◀/▶⌋ / ⌈MENU⌋ .
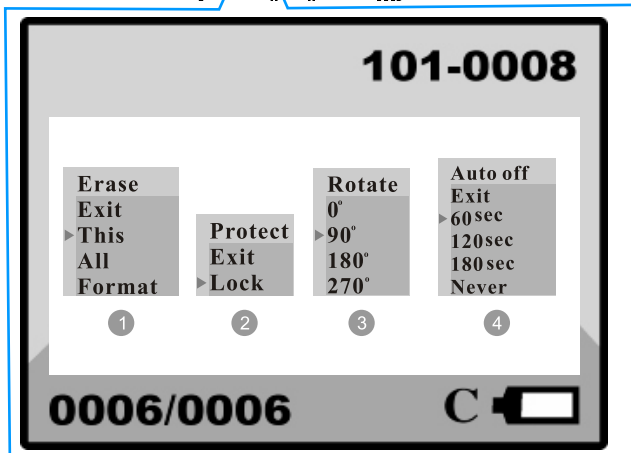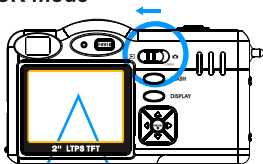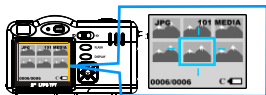
■ Set Frequency

Press ⌈MENU⌋ / ⌈ ▶ ⌋ / ⌈▲/▼⌋ / ⌈MENU⌋

Tips: 60Hz used in United States and Asia , 50Hz used in Japan and Europe normally.

2. Settings in PLAYBACK mode

101-0008

Erase		Rotate	Auto off
Exit		0°	Exit
▶This	Protect	▶90°	▶60 sec
All	Exit	180°	120 sec
Format	▶Lock	270°	180 sec
			Never

①   **②**   **③**   **④**

0006/0006   C

■ Delete the Photo

Press ◀▲▼▶ buttons to select the photo that you want to delete.

Delete the single photo

| Erase		Erase	
Exit		Exit	
This	②	▶This	③
All		All	
Format		Format	

①
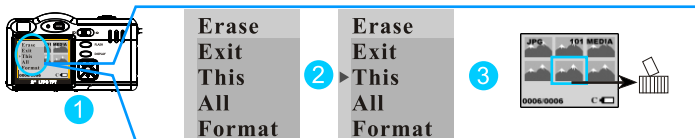
Delete all photos
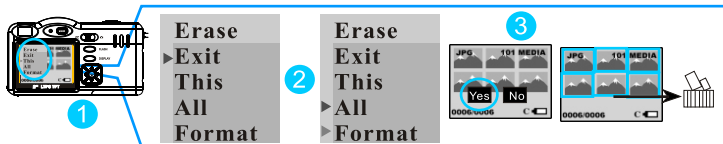
1.Press MENU one time.
2.Press ▲/▼ to select "**This**" , "**All**" or **Format**".
3.Press MENU again.(If you select"All"or "Format",there will be show"
Yes,No" in the monitor, press ◄ /► to select "Yes", then press MENU to
delete all).

*Tips: Select "All" all images in memory will be erased; Select "Format", all files
(including the photos locked) in memory will be erased.*

■ **Protect Photos**
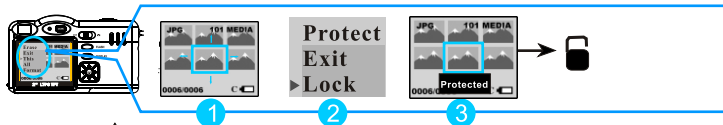
1. Press◄► buttons to select the photo that you want to protect.
2. Press MENU button and then ▲/▼ to select "Lock" on the LCD.
3. Press MENU button to confirm.

■ **Rotate the Photo**
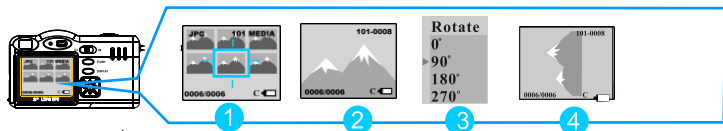
1. Press ◄►buttons to select the photo that you want to rotate.
2. Press **DISPLAY** button to show the selected photo in full screen.
3. Press MENU button and then▲/▼ to select rotating angle shown on LCD
4. Press MENU button to confirm.

Other Functions

■ **OSD Language Display** (PRESS **DISPLAY** BUTTON)

In NORMAL mode

PRESS THREE TIMES

PRESS ONCE
DISPLAY BUTTON

PRESS TWICE
DISPLAY BUTTON

All icon shown on the LCD in turn-on mode.

No icon shown on the LCD in turn-on mode.
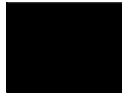
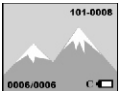LCD is turned off. This can save your battery power.

In PLAYBACK Mode

For **JPG FORMAT FILES**

PRESS THREE TIMES
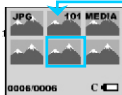
PRESS ONCE
DISPLAY BUTTON

PRESS TWICE
DISPLAY BUTTON

Photos shown in thumbnails

The selected photo shown in full-screen.

No icon shown on LCD.

For **AVI FORMAT FILES**

PRESS FOUR TIMES

PRESS ONCE
DISPLAY BUTTON
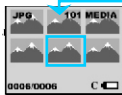
PRESS TWICE
DISPLAY BUTTON

PRESS THREE TIMES
DISPLAY BUTTON

Photos shown in thumbnails

The selected movie will be played in full-Screen.

Stop playing the movie.

No icon shown on LCD.

Note:
1. During FULL-SCREEN display mode, you can press left/right button to view photos/movies you shot one by one.
2. If file you are viewing is a movie(AVI file), your camera will ask you "PLAY AVI","yes no". Select "yes" to play it or "no" to skip.

■ **Flash (**Press **FLASH** button)

PRESS THREE TIMES

Force Off

PRESS ONCE
FLASH BUTTON

Force on

PRESS TWICE
FLASH BUTTON

Auto

■ **Zoom Out/In Your Photo**

In **PLAYBACK** Mode, press **DISPLAY** button to show the photo in full-screen, then press ▲ to zoom out the photo up to 4x.

Download photos to your PC

Turn on your camera, Change your camera mode to **Playback** and connect your camera to the computer correctly with USB cable, the screen will be shown a window (**Removable Disk H:**) as below:

NOTE: Now you can copy the photos to your computer with two method as below:
1. Download photos directly from windows
Choose **"copy pictures to a folder on my computer"** on the **Removable Disk (H:)** window. After you click "**OK**", there will be shown some windows on the screen step by step, you are only required to follow the description and click the buttons that are defaulted by the system to finish transferring.

Or you can:
1. Click on the START button in Windows.
2. Click on the MY COMPUTER Icon on the desktop.
3. Your memory card will appear as a REMOVABLE STORAGE DEVICE.
4. Click on the REMOVABLE STORAGE DEVICE to view the images The images are stored in the subfolder called DCM100.
5. You can now copy and paste the images to any directory you choose.

2. Download photos using Photags Express
a.Double click the Photags Express icon on the desktop to launch the application.
b.Click the "**Get Photos**" button on the main window.
C.The "**Get Photos**" wizard mode will appear on the screen, you can select "**custom copy**" to download photos with your individuation. Or you can select "**Express**" option to download all photos to the

computer without the option of selecting photos. In this mode you will not see a preview of the photos transferred.

Custom copy
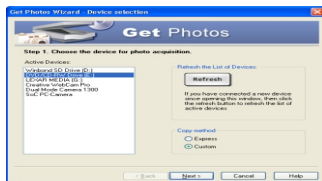
This mode is used to manually select the photos you wish to copy to your computer. The "**Device selection**" mode will appear. Both your camera and the memory card will each appear in the "**Active Devices**" list. Select "**Custom copy**" click "**Next**" to continue.
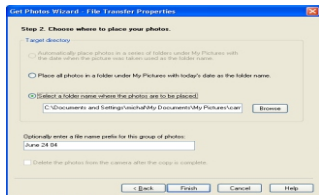
Note: At this moment, you can select "**Express**" option to copy all photos to your computer.
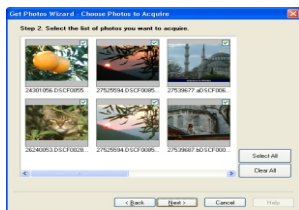
Select your photos click "**Next**" to continue.
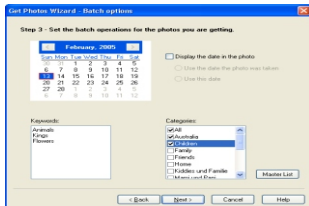
Add active captions to the picture. With this feature you can add a date, keywords and categories. Click "**Next**" to continue.

Choose a position where you want to place the photos. Click "**Finish**" to copy the photos to the location you selected.

Note:

All of the picture you imported will appear in the "**Select Photos**" main window. And now, you can edit your photos per your idea, and then download it to your computer. For how to edit the photos, you can refer to the Quick Start guide in the Photags Express.

PC Camera function

Caution: please make sure that your Camera Driver is installed.

To use PC camera in the Yahoo or MSN Messenger:

1.Power on your camera.

2.Change camera mode to NORMAL before you use this function.

3.Connect your camera to the computer with the USB cable correctly.

4.Following the step as below to realize PC Camera function in the yahoo or MSN Messenger.

Use your camera as PC Camera in the Yahoo Messenger:

Launch the Yahoo messenger application.

(You can download it from website.)
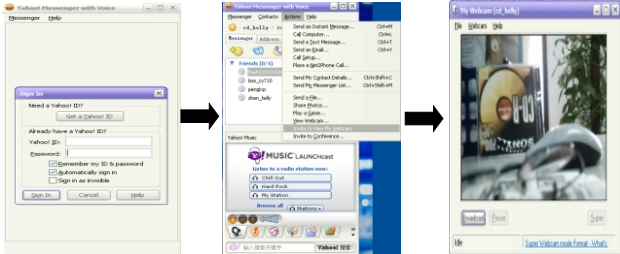
1. Input your yahoo ID and password to the "**Sign in**" window. And click " **Sign in**".
2. Choose one of your friends and click the menu "**Actions**", select "**Invite to view my web cam**" (please make sure that you must have a linkman at least)
3. You can use your PC Camera on yahoo messenger now.

Use your camera as PC Camera in the MSN Messenger:
Launch the MSN messenger application (You can download it from website.)

1.Type your E-mail Address and password to the "**Sign in**" window. Then click "**Sign in**" button.
2.Click "**Actions**" / "**Voice video**"/ "**Start a video conversation ...**" on the window button. (Please make sure that you must have a link-man at least)
3.Choose one of your friends, then click "**OK**" button.
4.You can use your camera as a PC camera on MSN now.

Photags Express software owner menual

You can edit, printing, sharing photos with Photags Express. You can operate it as following step to know how to use Photags Express:

1. Launch the Photags Express.
2. Click "**tour**" button on the main window to view how to use the photags Express in detail.

Click here

Attention：
   If Photags Express can not promote the DirectX automatically, you can manually install the DirectX in the CD before using the Camera, otherwise ,if the edition of DirectX in the windows operation is less than 8.1,then the AVI file can not be played.

Specifications

Sensor	• CMOS 3.1Mega Pixels
Image Resolution for Digital Camera	• 2048 x 1536 pixels(QXGA) • 1600 x1200 pixels(UXGA) • 1280 x1024 pixels(SXGA) • 640 x 480 pixels(VGA)
Image Resolution for PC Cam	• 640 x 480 pixels(VGA) • 352 X288 Pixels(CIF) • 320 x 240 pixels(QVGA) • 176 x144 pixels(QCIF) • 160 x120 pixels(QQVGA)
Image Resolution for Video	• 320 x 240 pixels(QVGA)
Lens[1]	• F2.8 f=9.3/9.6mm
LCD[2]	• 1.5"/2.0" LTPS LCD
Memory Device	• Internal SDRAM 16MB • External SD/MMC card
Memory Capacity (External SD Card 64MB)	• **Standard Quality:** About 149 (QXGA), 293 (UXGA),406 (SXGA), 2448(VGA) • **High Quality:** About 74 (QXGA), 146 (UXGA),203 (SXGA), 990(VGA) • **Short clip:** 633 seconds(QVGA)--(AVI)
Self-timer Photography	• 10s
Shutter Speed	• 1/555555s ~ 1/30s
Automatic Energy Saving	• 60S/120S/180S/Never OFF
Frame Rate (for PC Camera)	• About 8fps(VGA) • About 15fps(QVGA)
Power Supply[3]	• 2 xAA/ 3 xAAA batteries/ Lithium Battery • USB 5V
Transmission Interface	• USB Interface Ver.1.1
working Temperature	• 0°C- 40°C

[1] f=9.6mm F2.8   CD310C3/ CD310C9 / CD310CE/ CD310C5/ CD310CN
    f=9.3mm F2.8   CD310CB/ CD310CP

[2] 2.0" LTPS TFT   CD310C9 / CD310CE/ CD310CP / CD310CB
    1.5" LTPS TFT   CD310C9/ CD310C3/ CD310C5/ CD310CN

[3] 2*AA Batteries   CD310C9 / CD310CE/ CD310CB/ CD310CP
    3*AAA batteries   CD310C5/ CD310CN
    Lithium Battery   CD310C3

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