

**6.0 MEGA Series**

# **Digital Camera**

## **Owner's Manual**

**Digital Camera**

**PC Camera**

**Mass Storage**

*Please read carefully before using this equipment.*

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# 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***



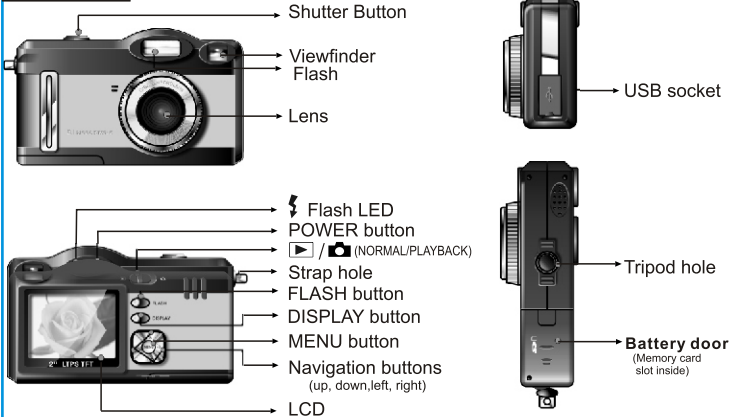
***Zoom out 4x***

### ***Computer System Requirements***

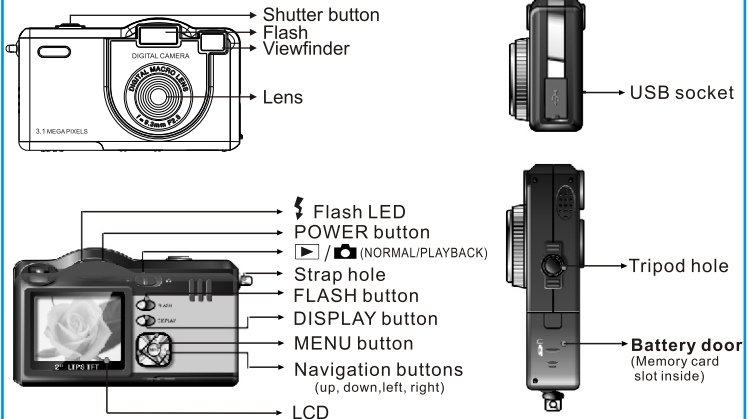
- Win 2000/XP
- 125MB free hard disk space or above
- 32MB or more RAM
- Color Monitor (24 bit or above)
- Available CD-ROM Drive
- Available USB socket

# Parts of the Camera

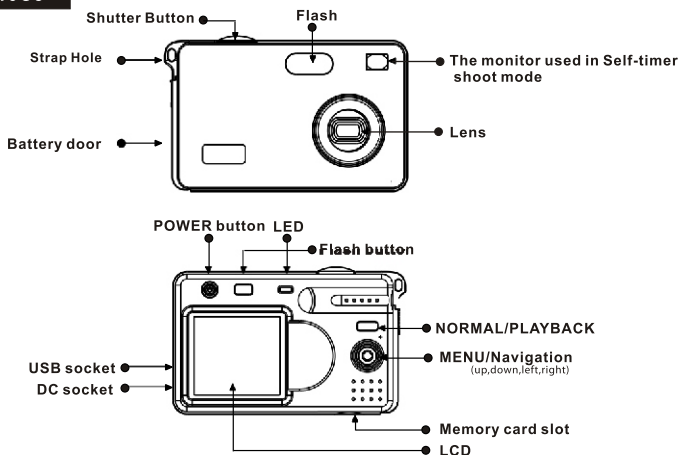
## CD310CB



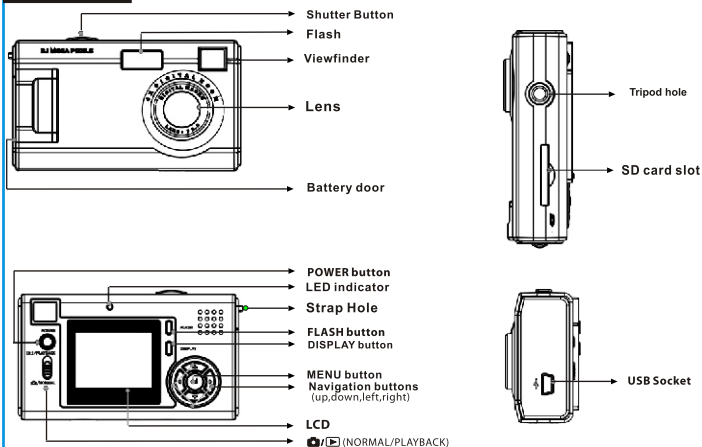
## CD310CP



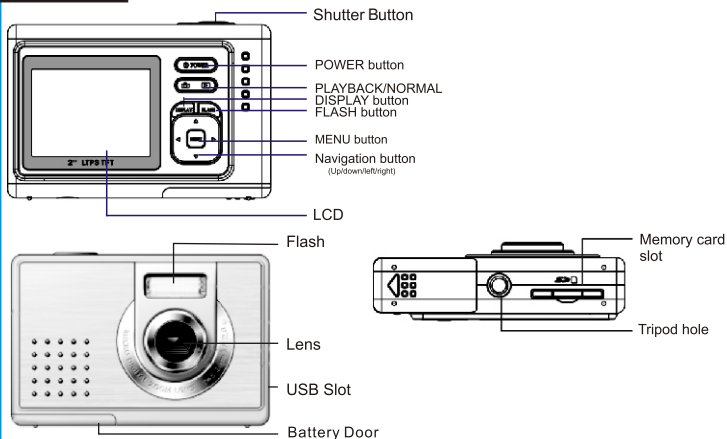
## CD310C3



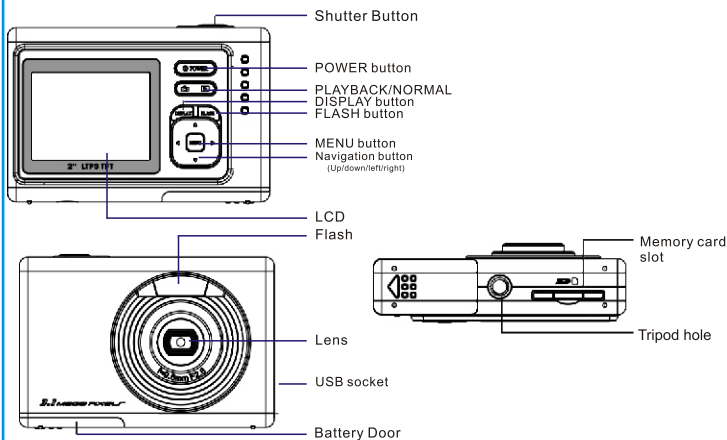
## CD310C5

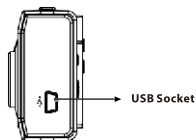
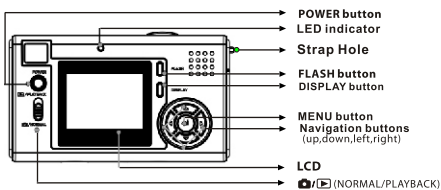
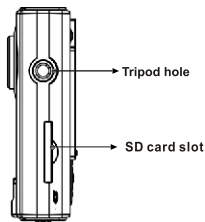
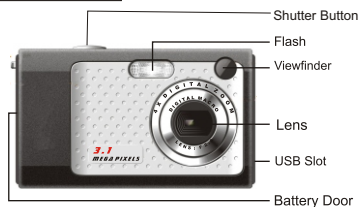


## CD310CE



## CD310C9



**CD310CN**

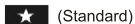
## LCD Display

### Explanation of Icons

#### Battery power level



#### Photo quality



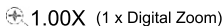
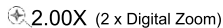
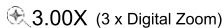
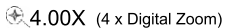
#### Flash



#### Shooting Mode



#### Digital Zoom



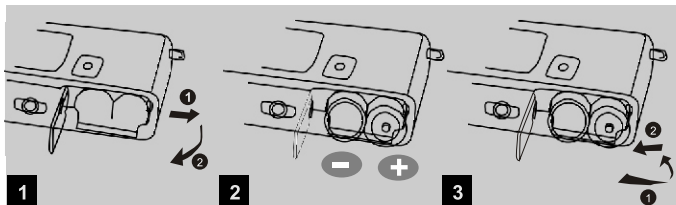


# Setting up your Camera for Use

## 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).



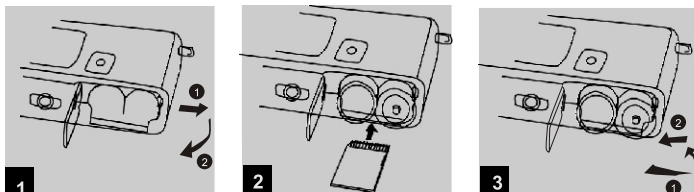
4. The camera **CD310C5**, **CD310CN** require three AAA batteries. It is suggested to use Alkaline(take **CD310C5** as the example)(Refer to the left figure).



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



## Inserting an Memory Card

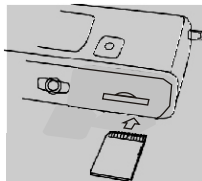


For **CD310CB**, **CD310CP** (Refer to above figures):

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.

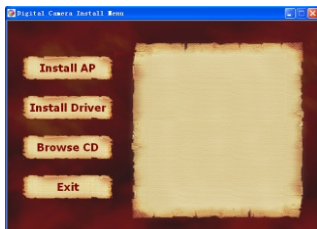


### Notes:

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.

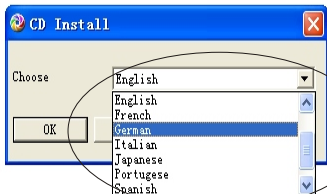
## Install Photags Express Software & Camera Driver

**NOTE:** Make sure that your camera is **not** 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.

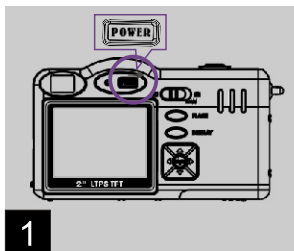


# Take Photos (Take **CD310CB** as the example)

## Start your Camera

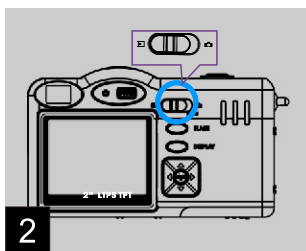
Press and hold the **POWER** button for 3 seconds to start the camera.

## Simply take a Photo



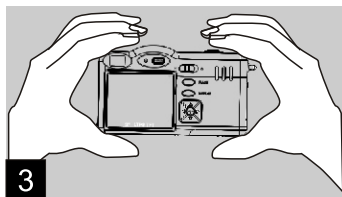
1

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



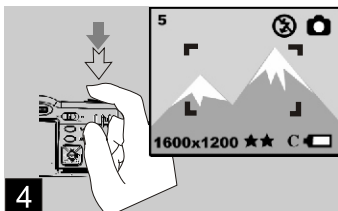
2

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

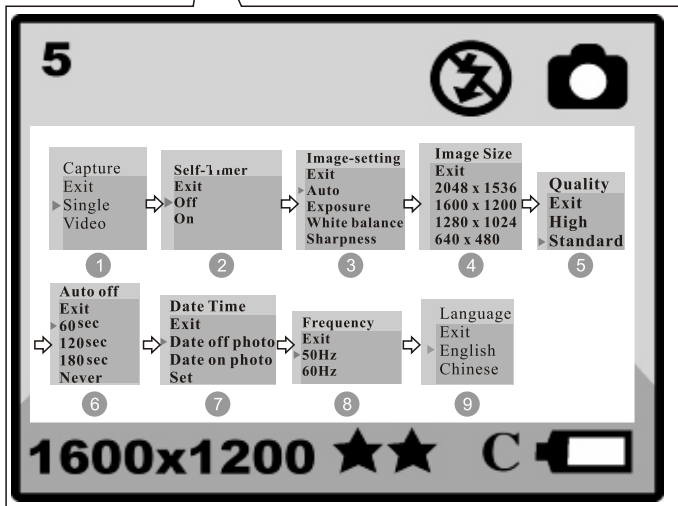
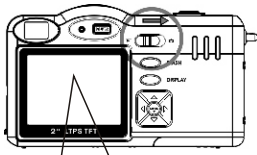
From **NORMAL** to **PLAYBACK** mode

Power on your DSC, the default mode is NORMAL mode. Press  /  to enter  mode.

From **PLAYBACK** to **NORMAL** mode

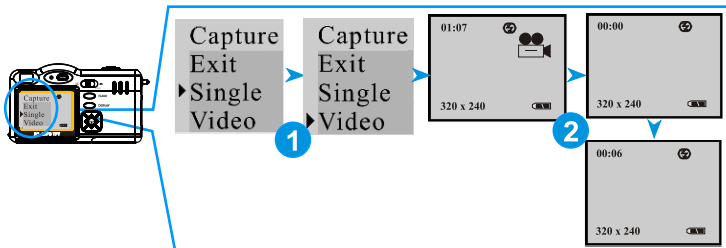
Under PLAYBACK mode, press  /  button to enter  mode.

## 1. Settings in NORMAL mode



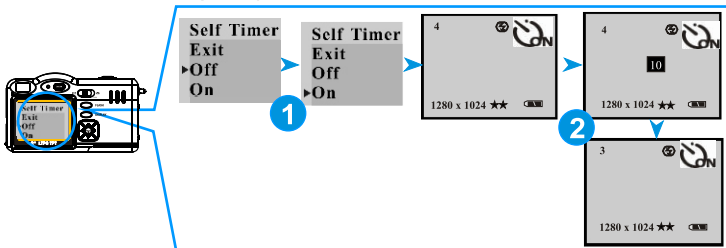
1. Press MENU button, and then press ◀/▶ to select the mode that you want to set.
2. Press ▲/▼ button to select the content in the selected mode.
3. Press MENU button again to confirm.

## ■ 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.*

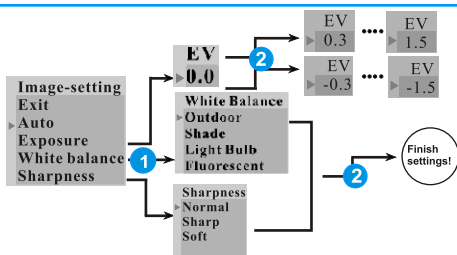
## ■ Self-timer Photography



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

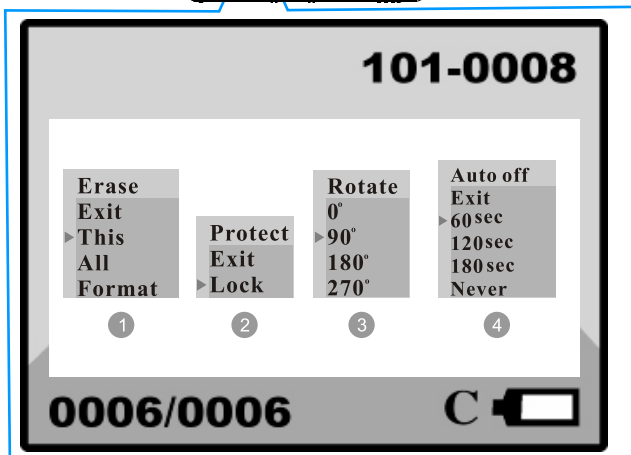
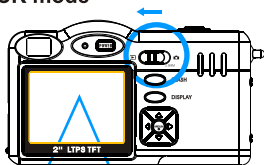


Frequency  
Exit  
▶ 50Hz  
60Hz

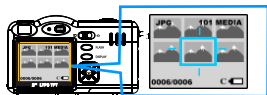
Press [MENU] / [▶] / [▲/▼] / [MENU]


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

## 2. Settings in PLAYBACK mode

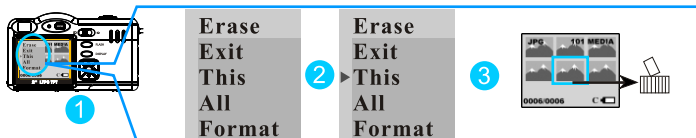


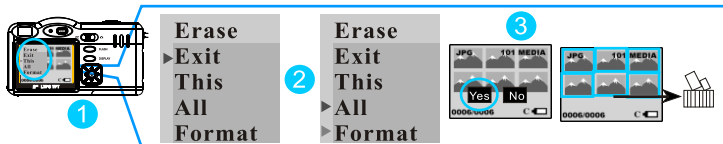
### ■ Delete the Photo



Press  buttons to select the photo that you want to delete.

#### Delete the single photo

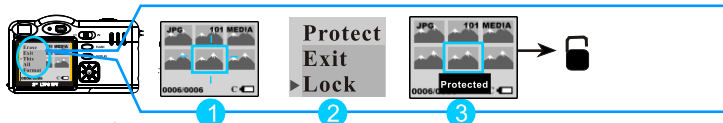


Delete all photos

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).

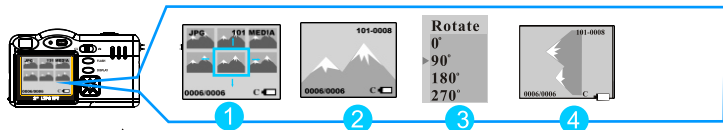
**Tips:** Select "All" all images in memory will be erased; Select "Format", all files (including the photos locked) in memory will be erased.

## ■ 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.

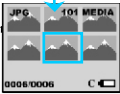
No icon shown on the LCD in turn-on mode.

LCD is turned off. This can save your battery power.

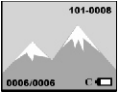
#### In **PLAYBACK** Mode

##### 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**

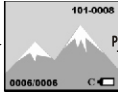
PRESS FOUR TIMES



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

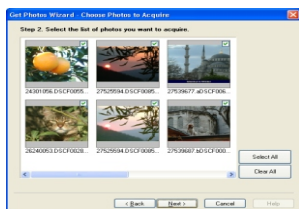
computer without the option of selecting photos. In this mode you will not see a preview of the photos transferred.

## Custom copy

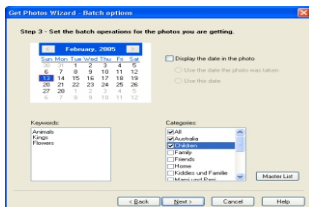


This mode is used to manually select the photos you wish to copy to your computer. The “**Device selection**” mode will appear. Both your camera and the memory card will each appear in the “**Active Devices**” list. Select “**Custom copy**” click “**Next**” to continue.

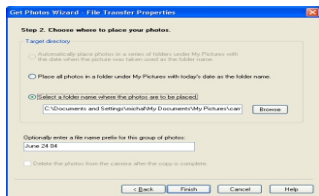
**Note:** At this moment, you can select “**Express**” option to copy all photos to your computer.



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.

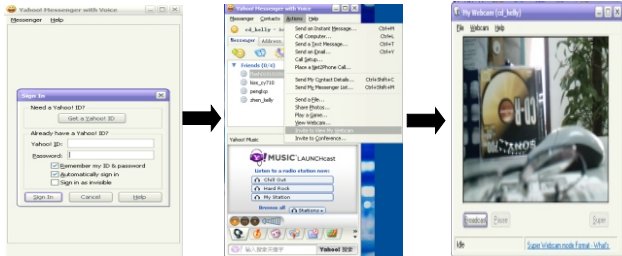
**To use PC camera in the Yahoo or MSN Messenger:**

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.

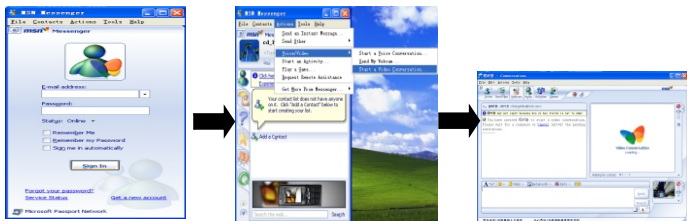
(You can download it from website.)



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 linkman 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 manual

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

<b>Sensor</b>	<ul style="list-style-type: none"> <li>• CMOS 3.1 Mega Pixels</li> </ul>
<b>Image Resolution for Digital Camera</b>	<ul style="list-style-type: none"> <li>• 2048 x 1536 pixels(QXGA)</li> <li>• 1600 x 1200 pixels(UXGA)</li> <li>• 1280 x 1024 pixels(SXGA)</li> <li>• 640 x 480 pixels(VGA)</li> </ul>
<b>Image Resolution for PC Cam</b>	<ul style="list-style-type: none"> <li>• 640 x 480 pixels(VGA)</li> <li>• 352 X 288 Pixels(CIF)</li> <li>• 320 x 240 pixels(QVGA)</li> <li>• 176 x 144 pixels(QCIF)</li> <li>• 160 x 120 pixels(QQVGA)</li> </ul>
<b>Image Resolution for Video</b>	<ul style="list-style-type: none"> <li>• 320 x 240 pixels(QVGA)</li> </ul>
<b>Lens</b> * <sup>1</sup>	<ul style="list-style-type: none"> <li>• F2.8 f=9.3/9.6mm</li> </ul>
<b>LCD</b> * <sup>2</sup>	<ul style="list-style-type: none"> <li>• 1.5"/2.0" LTPS LCD</li> </ul>
<b>Memory Device</b>	<ul style="list-style-type: none"> <li>• Internal SDRAM 16MB</li> <li>• External SD/MMC card</li> </ul>
<b>Memory Capacity (External SD Card 64MB)</b>	<ul style="list-style-type: none"> <li>• <b>Standard Quality:</b> About 149 (QXGA), 293 (UXGA), 406 (SXGA), 2448 (VGA)</li> <li>• <b>High Quality:</b> About 74 (QXGA), 146 (UXGA), 203 (SXGA), 990 (VGA)</li> <li>• <b>Short clip:</b> 633 seconds (QVGA) -- (AVI)</li> </ul>
<b>Self-timer Photography</b>	<ul style="list-style-type: none"> <li>• 10s</li> </ul>
<b>Shutter Speed</b>	<ul style="list-style-type: none"> <li>• 1/555555s ~ 1/30s</li> </ul>
<b>Automatic Energy Saving</b>	<ul style="list-style-type: none"> <li>• 60S/120S/180S/Never OFF</li> </ul>
<b>Frame Rate (for PC Camera)</b>	<ul style="list-style-type: none"> <li>• About 8fps (VGA)</li> <li>• About 15fps (QVGA)</li> </ul>
<b>Power Supply</b> * <sup>3</sup>	<ul style="list-style-type: none"> <li>• 2 x AA / 3 x AAA batteries / Lithium Battery</li> <li>• USB 5V</li> </ul>
<b>Transmission Interface</b>	<ul style="list-style-type: none"> <li>• USB Interface Ver.1.1</li> </ul>
<b>working Temperature</b>	<ul style="list-style-type: none"> <li>• 0°C - 40°C</li> </ul>

\*<sup>1</sup> f=9.6mm F2.8 CD310C3 / CD310C9 / CD310CE / CD310C5 / CD310CN  
f=9.3mm F2.8 CD310CB / CD310CP

\*<sup>2</sup> 2.0" LTPS TFT CD310C9 / CD310CE / CD310CP / CD310CB  
1.5" LTPS TFT CD310C9 / CD310C3 / CD310C5 / CD310CN

\*<sup>3</sup> 2\*AA Batteries CD310C9 / CD310CE / CD310CB / CD310CP  
3\*AAA batteries CD310C5 / CD310CN  
Lithium Battery CD310C3