



**Ladibug™ 2.0**

**Document Camera Image Software  
User Manual**

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# 1. Introduction

After installing the Ladibug™ application, you can use the software to:

- Control the Document Camera
- Capture and record images.
- Annotate the image, highlight important details and save it.
- Support the full screen function.

# 2. System requirements

## **MAC OS X 10.4 / 10.5 / 10.6 (32-bits Kernel)**

- Min. CPU: PowerPC G4 866MHz or Intel Pentium® 1.83GHz Intel Core 2 Duo
- Min. memory: 512MB
- Min. resolution: 1024x768
- 24-bit color display monitor
- Min. hard drive space: 1GB
- QuickTime 7.4.5 and above

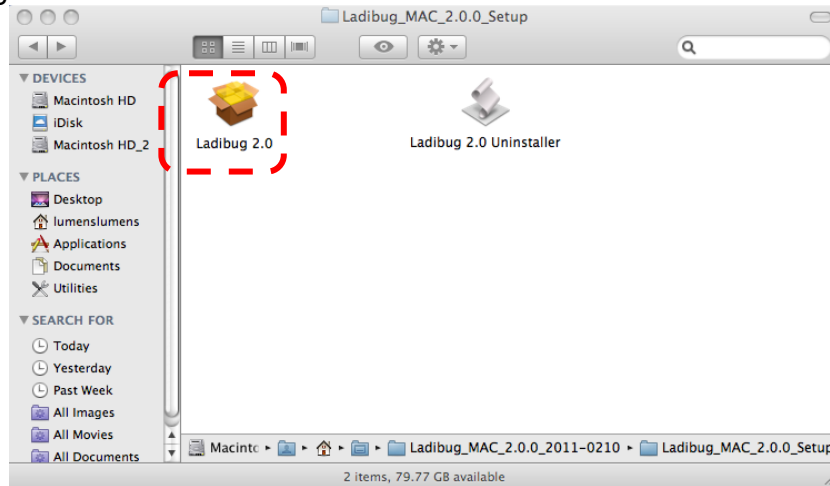
**[Remark] The MAC OS is not supported for a wireless connection like model “DC-A11”.**

### 3. Installing Ladibug™

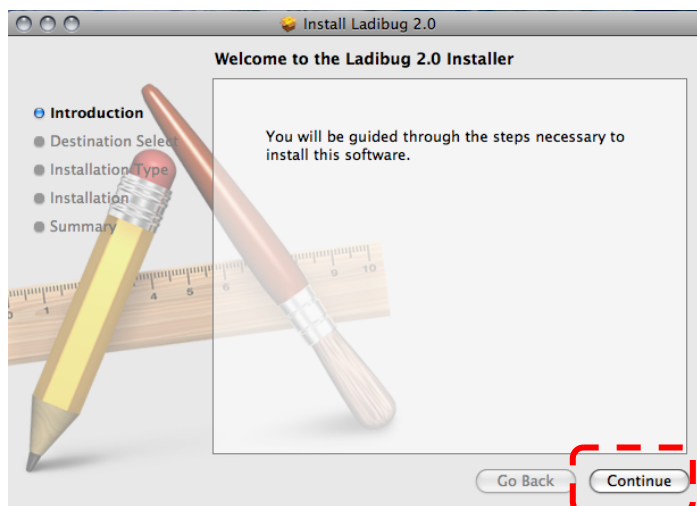
#### 3.1 In MAC

[Remark] The MAC OS is not supported for a wireless connection like model “DC-A11”.

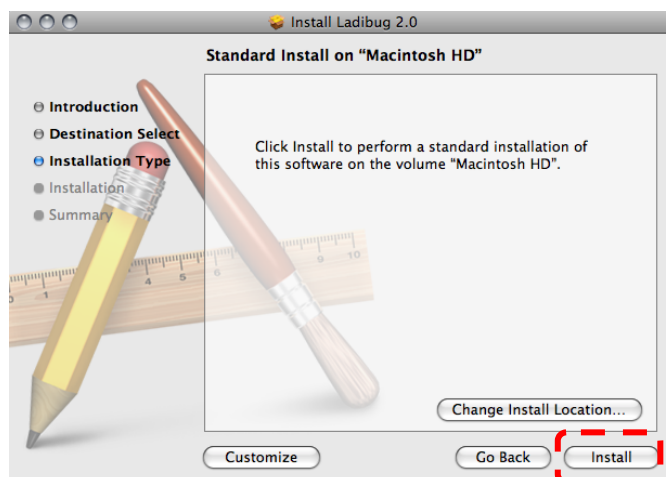
1. Insert the software CD into the CD-ROM drive.
2. Click on the CD icon.
3. Select MAC folder and click **[Ladibug\_MAC]** to open the installation wizard and begin to install following the on-screen instruction.



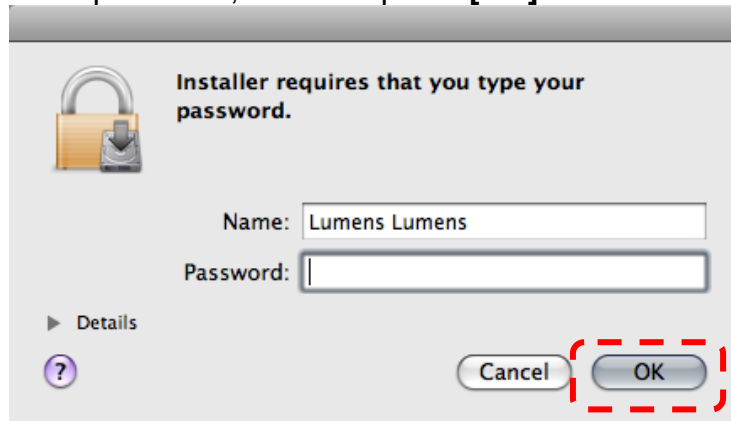
4. Click **[Continue]**.



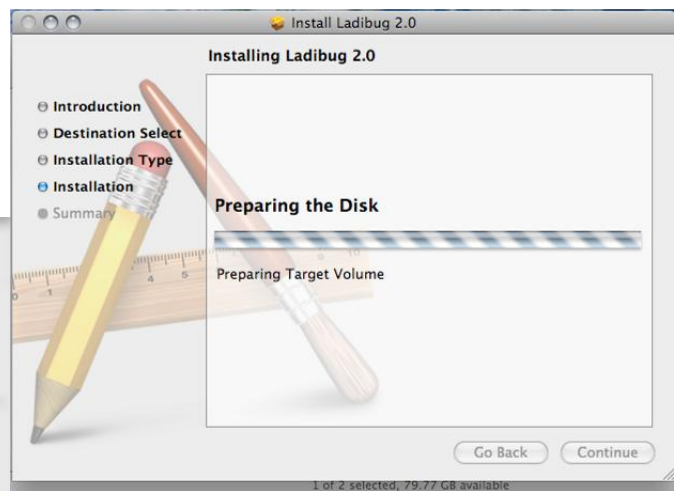
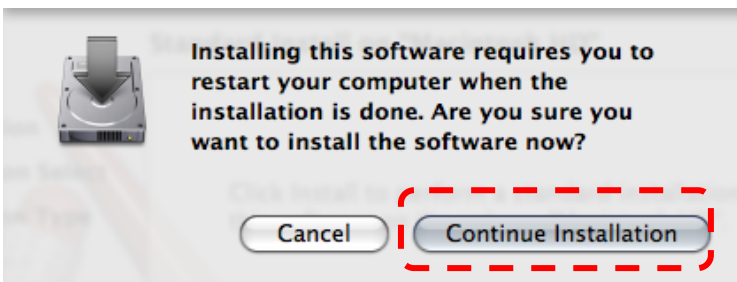
5. Click **[Install]**.



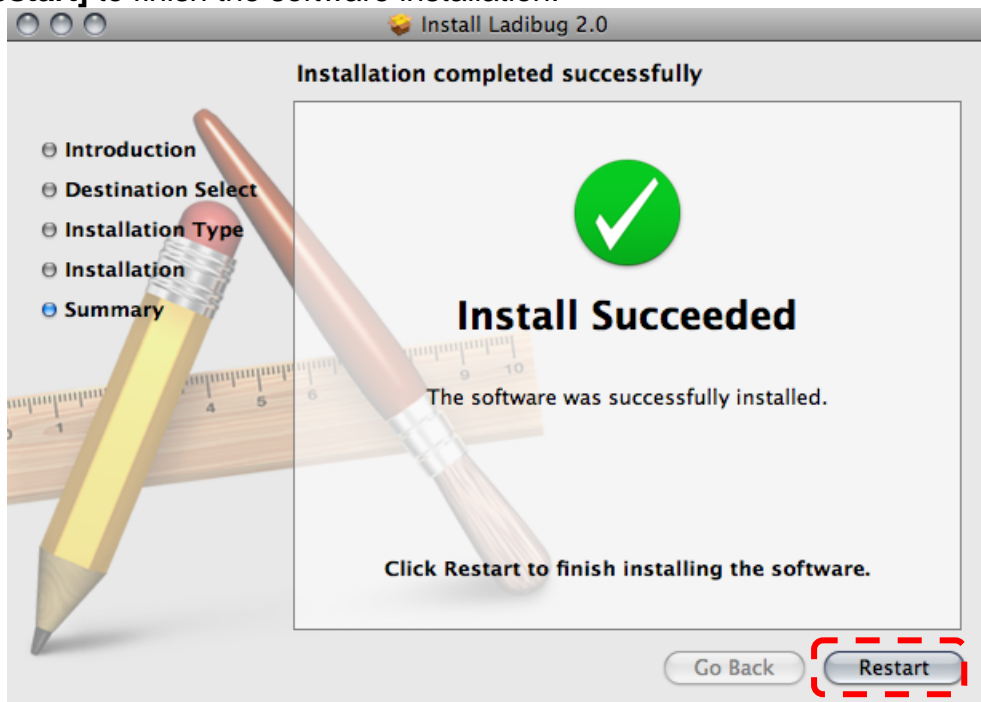
6. Enter the username and password, and then press **[OK]**.



7. Click **[Continue Installation]**.



8. Press **[Restart]** to finish the software installation.

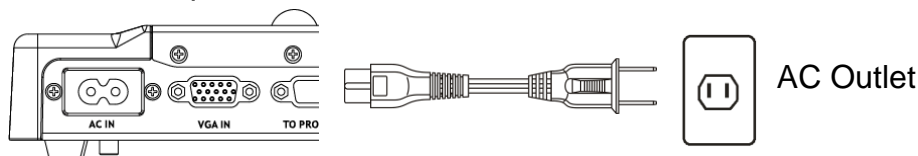


## 4. Connection to the hardware



<Very Important> To ensure successful installation, please follow each of the following steps.

4.1. Connect the power cord of the Document Camera

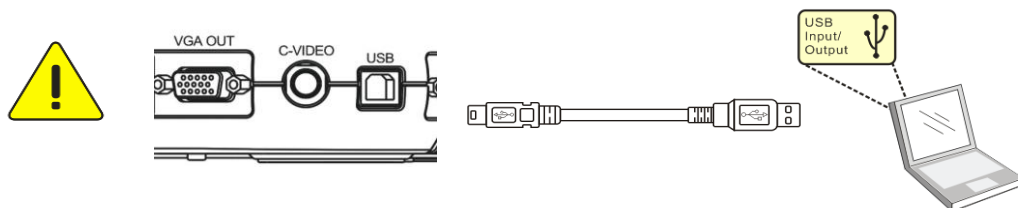


<Note> Appearance may vary depending on country/region.

4.2. Pressing the **[POWER]** button on the remote control or the Document Camera for about 5 seconds. When the light next to the power button is lit, the machine is ready to use.



4.3. Connect USB cable to the Document Camera your computer.

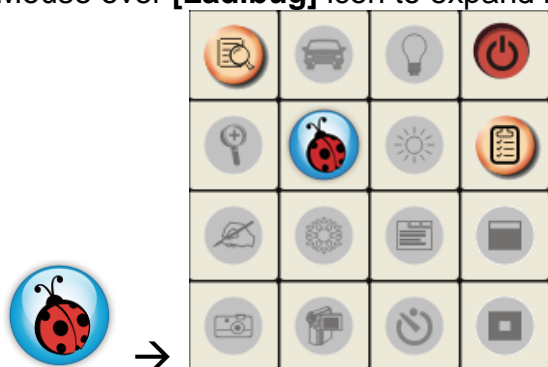


## 5. Start to use Ladibug™

5.1. Double-click the **[Ladibug]** icon on the desktop to launch Ladibug™.



5.2. Mouse over **[Ladibug]** icon to expand menu functions.

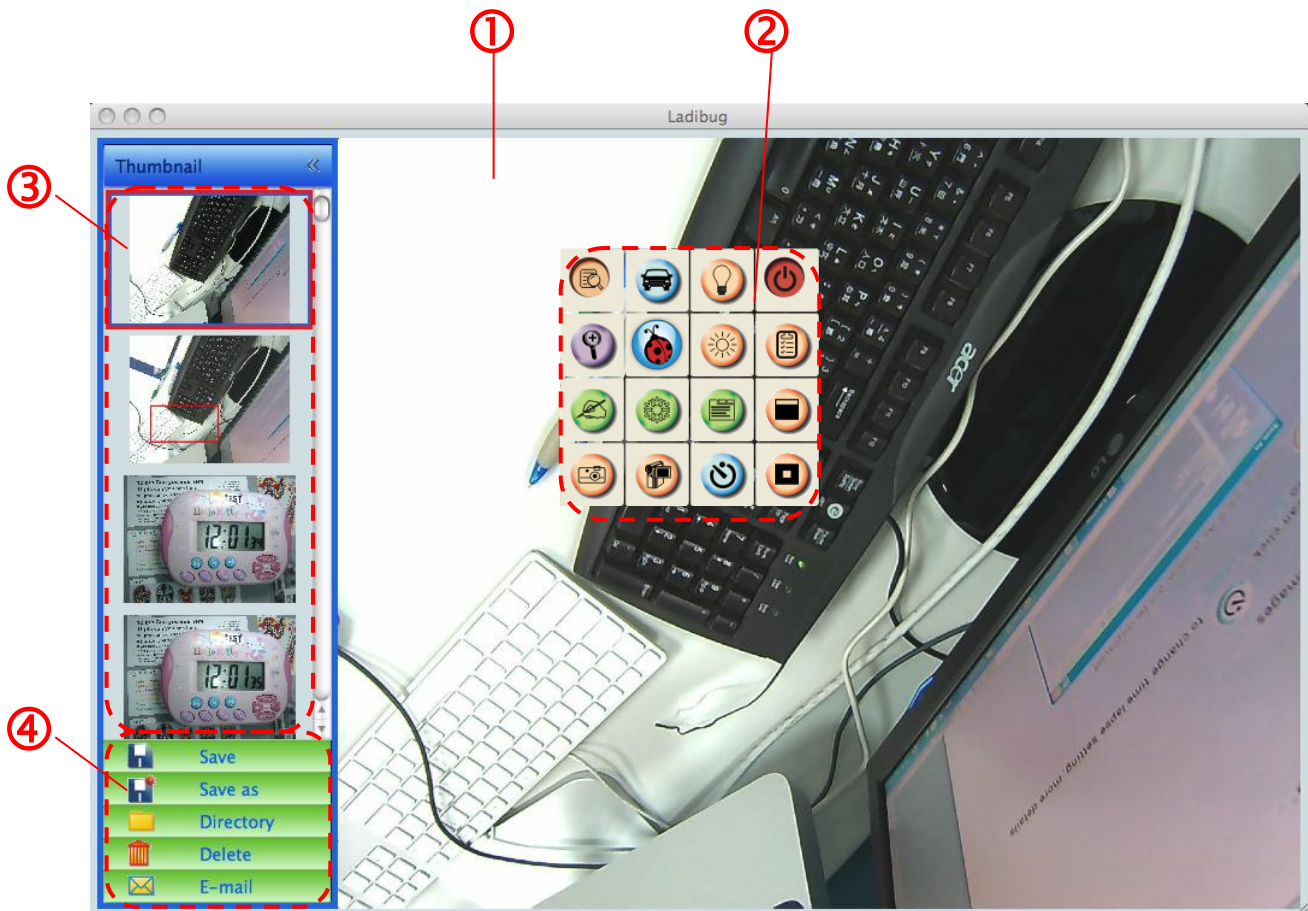


5.3. Click **[PREVIEW]** icon to start to use.



# 6. Operation Interface Description

## 6.1 Software Screen Introduction




1. Live image
2. Main Menu
3. Thumbnail Window
4. File Management Function Menu

## 6.2 Thumbnail (saved image window)

### ➤ Using MAC



1. Close/Open Thumbnail
2. Thumbnail image of saved video or captured image (It will be displayed as  if it's a video)
3. Save the video which has been edited
4. Save as a new file
5. Change the storage folder
6. Delete file
7. Send captured image via e-mail



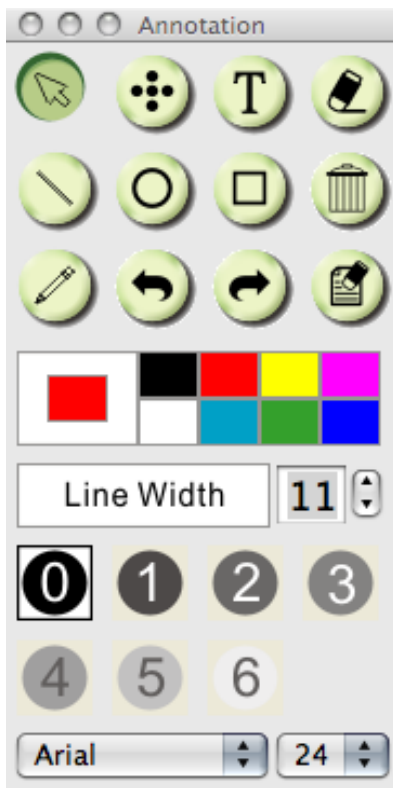
### 6.3 Main Menu














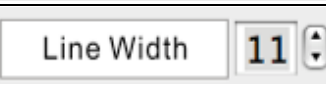

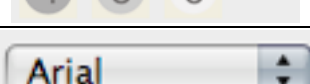
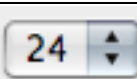


	<b>POWER:</b> Turn the Document Camera on/off.		<b>LAMP:</b> Turn the lamp on/off.
	<b>AUTO TUNE:</b> Automatically adjust the image to have the best brightness and focusing performance.		<b>PREVIEW:</b> Display live images.
	<b>OPTIONS:</b> Select video compression method and the audio source. <a href="#">6.6 Options</a> is the reference of the selecting screen.		<b>BRIGHTNESS:</b> Manually adjust the brightness of the image.
	<b>MAIN:</b> Launch the main functions menu. Right click on this icon to show information about the Ladibug™.		<b>ZOOM:</b> Increase or decrease the image size.
	<b>Mask Mode:</b> Open the mask mode. Please refer to <a href="#">7.9 I would like to use the mask mode</a> .		<b>CAMERA SETTING:</b> Launch the Camera Setting window to adjust live images. <a href="#">6.5 CAMERA Settings</a> is the reference of the selecting screen.
	<b>FREEZE:</b> Freeze the live image.		<b>ANNOTATION:</b> Open the annotation tools. Please refer to <a href="#">6.4 Annotation</a> .
	<b>Spotlight Mode:</b> Open the emphasizing mode. Please refer to <a href="#">7.10 I would like to us the spotlight mode</a> .		<b>TIME LAPSE PHOTOGRAPHY:</b> Use the burst mode and adjust the interval of automatical image capturing. Please refer to <a href="#">7.4 I would like to capture images continuously</a> .
	<b>RECORD:</b> Record the current image.		<b>CAPTURE:</b> Image Capture.

## 6.4 Annotation

➤ Click  to open annotation tools



Icon	Description
	Pointer tool
	Laser tool
	Insert text
	Eraser (Clear marks of free-hand drawing tool)
	Draw a line
	Draw an ellipse
	Draw a rectangle
	Delete
	Free-hand drawing tool
	Back
	Next
	Clear all
	Select pen color
	Select line thickness
	Select transparency
	Select Font
	Select Font Size

## 6.5 Camera Settings

Control the live image via the **Camera Settings** interface. The operating procedure is the same as the **control panel** and **remote control** of the Document Camera. Refer to the [Document Camera user manual](#) for more information.

**<Remark> The display of the button may vary depending on product functions. An inactive button will grey out.**



6.5.1 Click  to open Camera Settings interface.

6.5.2 Applicable to other types except DC120, such as DC266, DC190...

➤ Using MAC

➤ Case 1

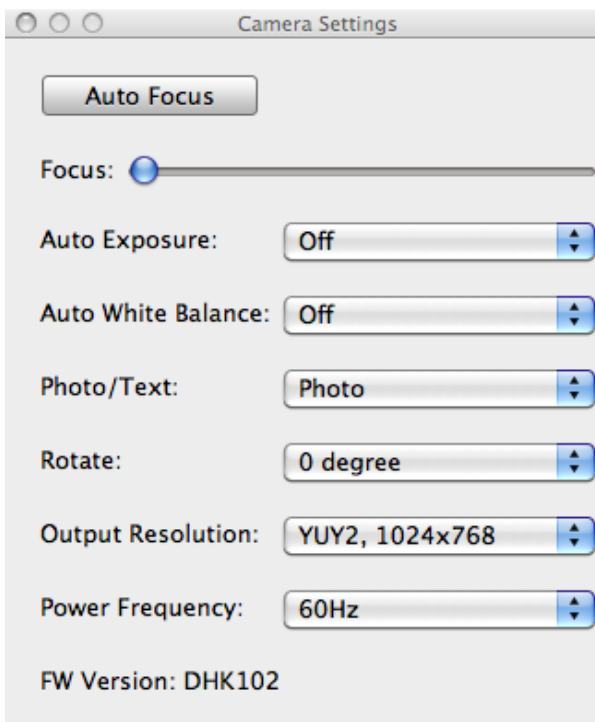


➤ Case 2



6.5.3 Applicable to DC120

➤ Using MAC



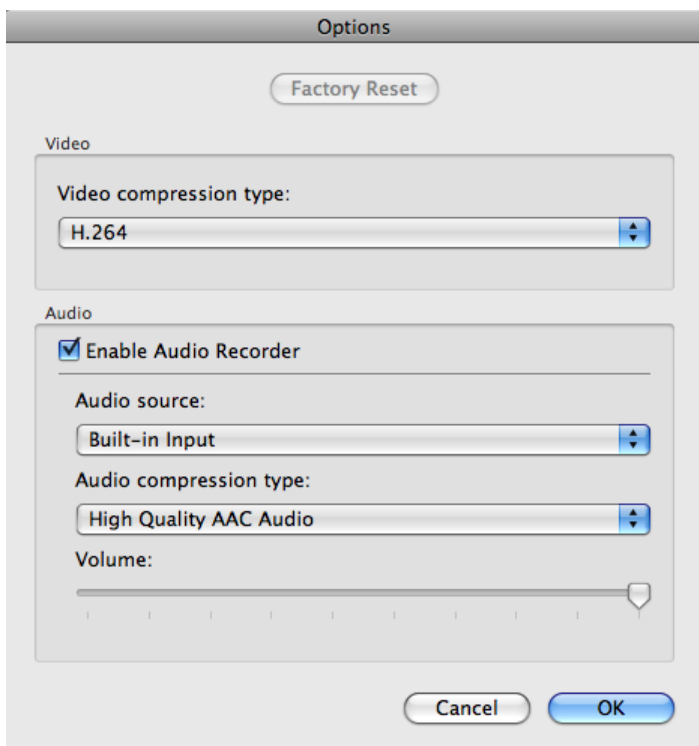
1. **Auto Focus:** Automatically adjust the best focal length.
2. **Focus:** Manually adjust focal length on an object.
3. **Auto Exposure:** Set on/off.
4. **Auto White Balance:** Set on/off.
5. **Rotate:** Rotate the image by 0/180 degree.
6. **Output resolution:** Set output resolution.
7. **Power frequency:** The power frequency may vary with countries. Please check it before using. **<Remark> In most parts of the world this is 50 Hz, although in the Americas it is typically 60 Hz.**

## 6.6 Options



Click **to open Options Menu.**

### ➤ Using MAC

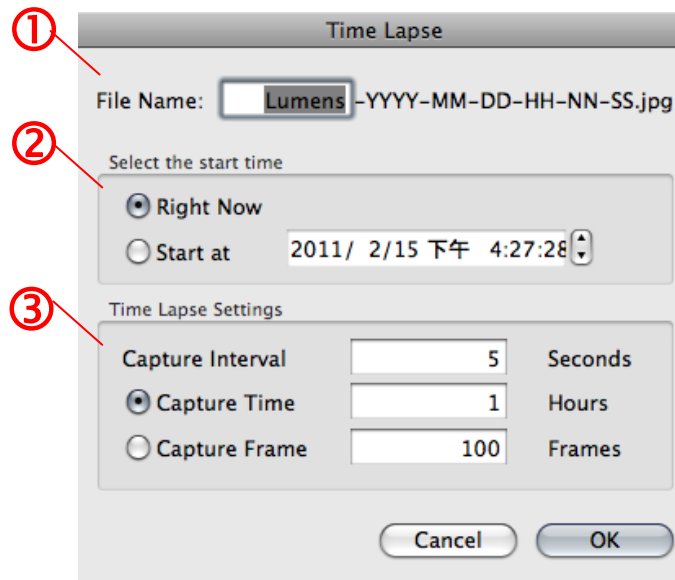


1. **Factory Reset:** Activate the factory reset.
2. **Video Compression Type:** Set up the recording format.
3. **Enable Audio Recorder:** Enable the audio record device and set the audio source.

## 6.7 Time Lapse (Burst Settings)

Click  to open Time Lapse Menu

### ➤ Using MAC



1. Specify a file name.
2. Set the start time.
3. Set the interval and the length of time of image capturing.

# 7. Function Descriptions

## 7.1 Turn the Document Camera on/off

- Click  to on/off the power.

**<Note> When the Document Camera is on, the light will flicker; you can't turn it on until the light stops flicker.**

## 7.2 I would like to display a live image


- Click  to display the live image.

## 7.3 I would like to capture images

- Click  to capture images.

**[Note] The captured images will be displayed in the Thumbnail area.**


## 7.4 I would like to capture images continuously


- Click  to open burst mode setting. Click [OK] after setting.

**<Note> Please refer to [6.7 Time Lapse](#) for more Time Lapse settings.**

**<Note> The captured images will be displayed in the Thumbnail window.**

## 7.5 I would like to freeze the live image

- Click  to freeze the live image of Ladibug™.

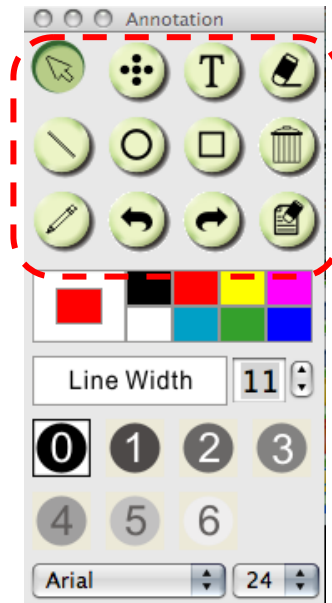
- Click  once again to lift the freeze.

## 7.6 I would like to annotate the displayed image

<Note> To annotate the saved image, please open the pictures of the Thumbnail area.



- Click to open the annotation tools.
- Select a annotation tool.



- Select pen color.



- Select line thickness.



- Select transparency.




- Mark or annotate the displayed image.



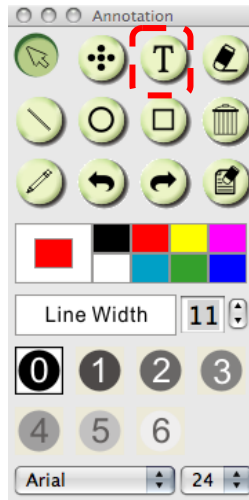
<Remark> You can Click to capture images if they are live images. You can click [SAVE] or [SAVE AS] to save the files if they are image files opened from the Thumbnail.

<Remark> You can add annotation when recording, but you can't save it

## 7.7 I would like to add textual annotation to images

- Click  to open the annotation tools.

- Select .



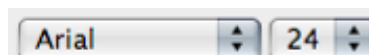
- Select pen color.



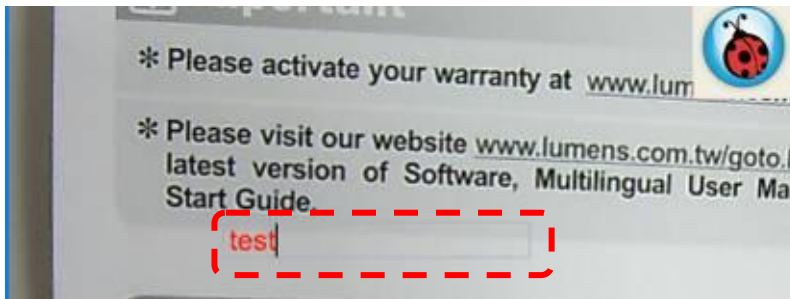
- Select transparency.



- Select font and font size.




- Drag a block on the picture then start to enter text.



<Remark> You can Click  to capture images if they are live images. You can click [SAVE] or [SAVE AS] to save files if they are image files.




## 7.8 I would like to record videos


- Click  to open the recording tool.



- Click  to open the interface of video format and audio source setting, please refer to [6.6 Options](#) for more details

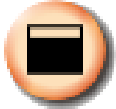
- Click  to start recording.


- Press  to stop recording.


- Click  to close the recording tool.

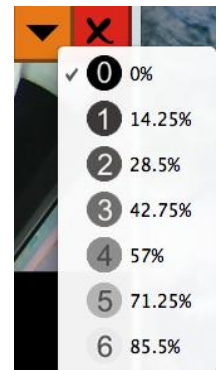
**<Remark> You can use annotation tools when recording, but you can't save it.**

## 7.9 I would like to use the mask mode




- Click  to open the mask mode.
- You can directly modify the length and the width of the block with mouse.

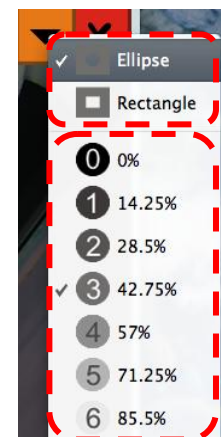
- Click  to modify the transparency of the block.

- Click  to close the mask mode.



## 7.10 I would like to use the spotlight mode

- Click  to open Spotlight mode.
- Modify the length and the width with mouse.
- Click  to modify the shape and transparency of the block.
- Click  to close the Spotlight mode.



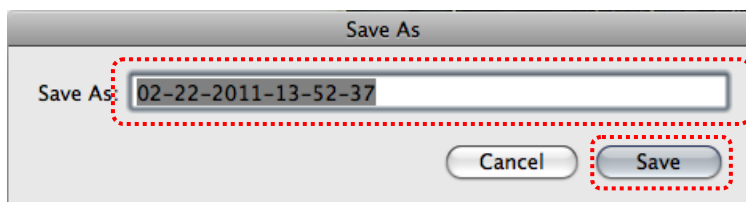
## 7.11 I would like to manage saved image files.

### 7.11.1 Save as a new file

- First, double-click the picture or image file in the “Thumbnail” window on the left side of the screen.




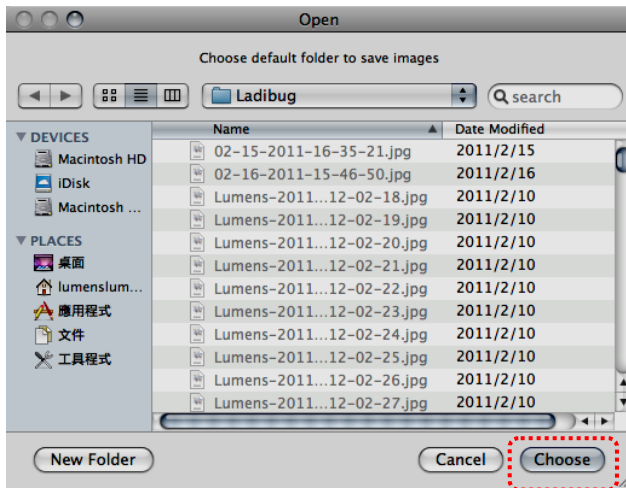
- Click [Save as] , then “Save As” window will pop up.



- After inputting “file name”, click [SAVE] to finish saving.

### 7.11.2 Change the location of file access


- Click [Directory] , then “OPEN” window will pop up.

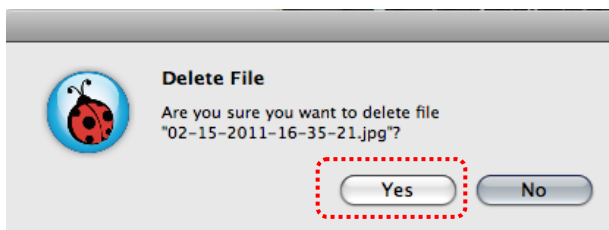


- After selecting the location of the folder, click [Choose] to change the folder for saving pictures next time.

### 7.11.3 Delete File

- First, double-click the picture in the “Thumbnail” window on the left side of the screen.

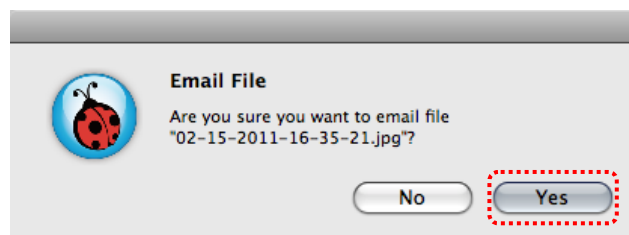
- Click [Delete] , then “Delete File” window will pop up. Click [Yes] to delete files.



### 7.11.4 Send files by E-mail function.

- First, double-click the picture in the “Thumbnail” window on the left side of the screen.

- Click [E-mail] , then “Email File” window will pop up. Click [Yes] to open e-mail.



## 8. Troubleshooting

**8.1 Question: Black screen is displayed in live image after Ladibug™ was re-installed.**

**Solution:**

1. Remove the Ladibug™ then restart the computer.
2. Re-install the Ladibug™

**8.2 Question: Ladibug™ can not be used with DC120 in Windows operation system.**

**Solution:**

Please check the Windows OS version is Windows XP SP2 or above otherwise please upgrade to Windows XP SP2 or above.

**8.3 Question: When running the Ladibug™, no image is displayed and get a Ladibug error message:**

**“System video limitation reached. Please refer to the troubleshooting section of the Ladibug user’s manual.”**

**Solution:**

1. Please check if you are using an extended desktop (two monitors) hooked up to the computer. If so, please try to move the Ladibug™ shortcut to the extended desktop (the second monitor) and launch it.
2. If step 1 still doesn't work, please turn off extended desktop.
3. If step 2 still doesn't work, please reduce the resolution of desktop.
4. If step 3 still doesn't work, please re-install Ladibug™ software.