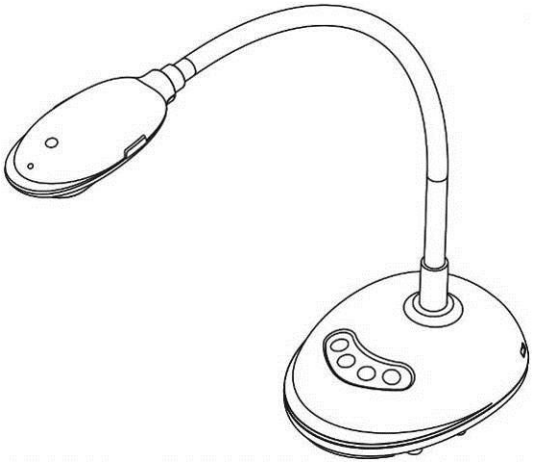
DC125
Document Camera

User Manual - English



[Important]

To download the latest version of Quick Start Guide, multilingual user manual, software, or driver, etc., please visit Lumens
http://www.MyLumens.com/goto.htm

Lumens™

Table of Contents

Copyright Information **4**

Chapter 1 Safety Instructions **5**

Chapter 2 Package Contents **7**

Chapter 3 Product Overview **8**

3.1 Description of LED indicator 8

3.2 Relative Operation Position 8

3.3 Correct use 9

3.4 Incorrect use 9

Chapter 4 Installation and Connections **10**

4.1 System diagram 10

4.2 Connecting to a computer 10

4.3 Connecting to an Interactive Whiteboard (IWB) 10

4.4 To mount it at desk 11

4.5 Installing application software 11

Chapter 5 Start Using **19**

Chapter 6 Function Menu **20**

6.1 Function Descriptions of Control Panel Button 20

6.2 Windows Operation Interface 21

6.2.1 Windows Software Screen Introduction - Camera 21

6.2.2 Windows Software Screen Introduction - Image Browser Thumbnail 24

6.2.3 Windows Software Screen Introduction - Large Picture Of Image Browser 25

6.2.4 Camera Settings 26

6.2.5 Time Lapse (Burst Settings) 27

6.2.6 Setting of annotation tool 28

6.2.7 Setting (Advanced) 29

6.3 MAC Operation Interface 30
6.3.1 MAC Software Screen Introduction - Camera 30
6.3.2 MAC Software Screen Introduction - Image Browser Thumbnail 33
6.3.3 MAC Software Screen Introduction - Large Picture Of Image Browser 34
6.3.4 Camera Settings 35
6.3.5 Time Lapse 36
6.3.6 Setting of annotation tool 37
6.3.7 Setting (Advanced) 38

Chapter 7 Descriptions of major functions – Windows User 39

7.1 I would like to optimize the image 39
7.2 I would like to freeze the live image 39
7.3 I would like to turn on/off the lamp 39
7.4 I would like to adjust the brightness 39
7.5 I would like to capture images 39
7.6 I would like to capture images continuously 40
7.7 I would like to record 40
7.8 I would like to annotate the displayed image. 40
7.9 I would like to add textual annotation to images 41
7.10 I would like to use the mask mode 42
7.11 I would like to use the spotlight mode 42
7.12 I would like to manage stored image 42
7.13 I would like to change the operating languages of the software 44
7.14 Change the setting of firewall 44

Chapter 8 Descriptions of major functions - MAC User 47

8.1 I would like to optimize the image 47
8.2 I would like to freeze the live image 47
8.3 I would like to turn on/off the lamp 47
8.4 I would like to adjust the brightness 47

8.5 I would like to capture images 47
8.6 I would like to capture images continuously 48
8.7 I would like to record 48
8.8 I would like to annotate the displayed image. 48
8.9 I would like to add textual annotation to images 49
8.10 I would like to use the mask mode 50
8.11 I would like to use the spotlight mode 50
8.12 I would like to manage stored image 50
8.13 I would like to change the operating languages of the software 52
8.14 Change the setting of firewall 53

Chapter 9 Connecting to Microscope 55

Chapter 10 Troubleshooting 56

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information 57

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Chapter 1 Safety Instructions

Always follow these safety instructions when setting up and using the Document Camera:

1. Do not place Document Camera in tilted position.
2. Do not place the Document Camera on an unstable trolley, stand or table.
3. Do not use the Document Camera near water or source of heat.
4. Use attachments only as recommended.
5. Place the Document Camera on a place where the USB cable can be unplugged easily.
6. Unplug the USB cable of Document Camera before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
7. Do not block the slots and openings in the Document Camera case. They provide ventilation and prevent the Document Camera from overheating. Do not place the Document Camera on a sofa, rug or other soft surface or install in a recessed place unless proper ventilation is provided.
8. Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the Document Camera.
9. Except as specifically instructed in this User Manual, do not attempt to operate this product by yourself. Opening or removing covers may expose you to dangerous voltages and other hazards. Refer all servicing to licensed service personnel.
10. Unplug the USB cable during thunderstorms or if it is not going to be used for an extended period. Do not place the Document Camera or remote control on top of heat-emitting equipment or shaking objects such as a car, etc.
11. In case of the following situations, please unplug the USB cable of the Document Camera and refer servicing to licensed service personnel:
    - If the USB port becomes damaged or frayed.
    - If liquid is spilled into it or the Document Camera has been exposed to rain or water.

■ Precautions

Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

<table>
<tr><td colspan="4">
Note
Risk of Electric Shock
 </td></tr>
<tr><td colspan="4">Caution: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to licensed service personnel.</td></tr>
<tr><td> </td><td>This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock.</td><td> </td><td>This symbol indicates that there are important operating and maintenance instructions in this User Manual with this unit.</td></tr>
</table>

■ FCC Warning

This Document Camera has been tested and found to comply with the limits for a Class A computer device, pursuant to Article 15-J of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of Industry Canada.

Cet appareil numerique respecte les limites de bruits radioelectriques applicables aux appareils numeriques de Classe A prescrites dans la norme sur le material brouilleur: "Appareils Numeriques," NMB-003 edictee par l'Industrie.

■ EN55032 (CE Radiation) Warning

Operation of this equipment in a residential environment could cause radio interference.

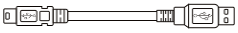
Chapter 2 Package Contents

DC125

Quick Start Guide

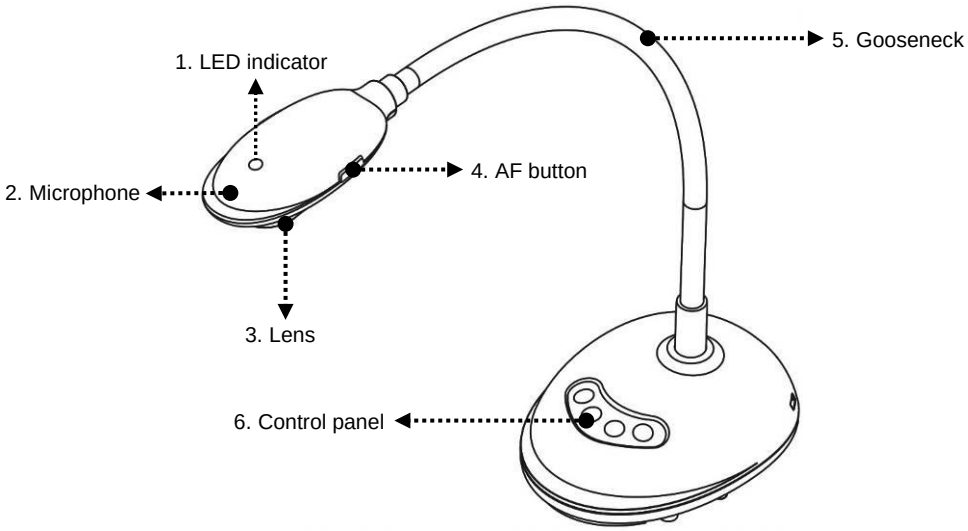
(For download of other language versions, please visit Lumens website)

USB Cable



4-Steps Card
(Note to Teacher)

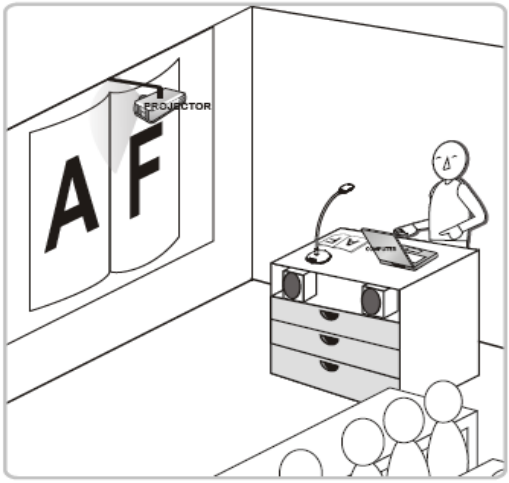
Chapter 3 Product Overview



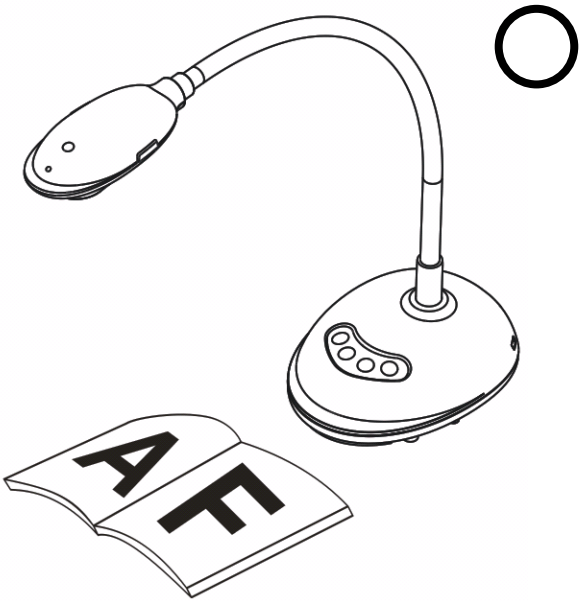
3.1 Description of LED indicator

1. Enable the image, and LED indicator will light up
2. Display the image, and LED indicator will light up
3. Disable the image, and LED indicator is OFF

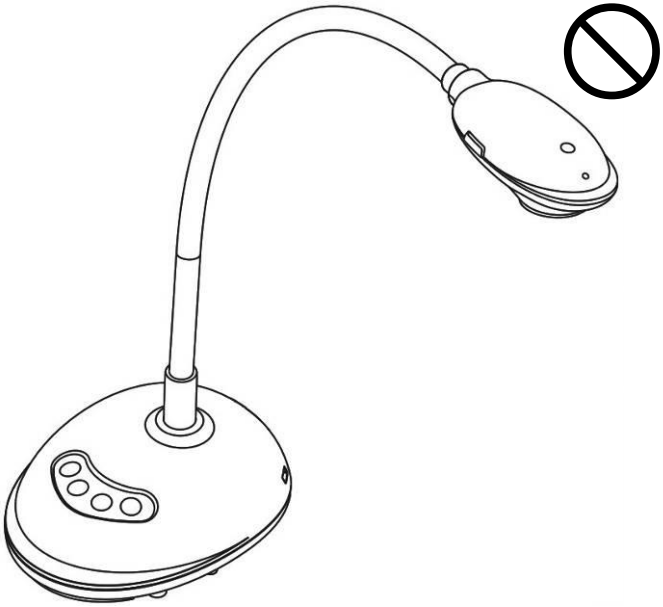
3.2 Relative Operation Position



3.3 Correct use



3.4 Incorrect use



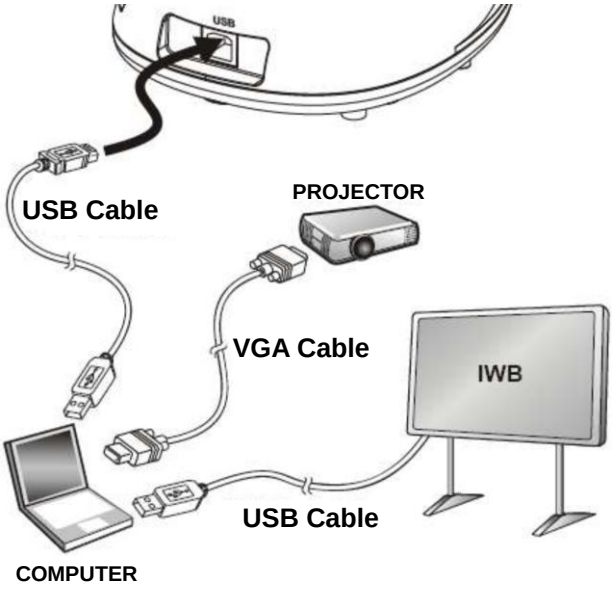
Chapter 4 Installation and Connections

4.1 System diagram

4.2 Connecting to a computer

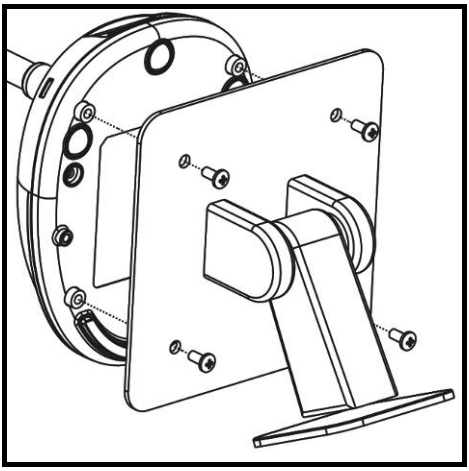
- See the picture above

4.3 Connecting to an Interactive Whiteboard (IWB)



4.4 To mount it at desk

1. Please purchase the standard VESA installation base.
2. Please use appropriate screws: Screw length = 5 mm + base thickness (H1); M4 screw (P = 0.7)



- VESA bolt pitch 75*75mm
- VESA base thickness (H1)
- Screw length = 5 mm + base thickness (H1)
- M4 screw (P = 0.7)

4.5 Installing application software

After installing Lumens image software, you can use the following functions:

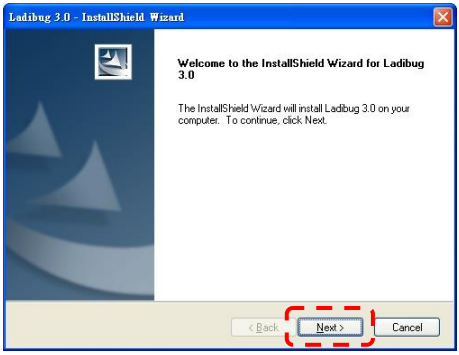
- Control the DC125.
- Capture and record images.
- Annotate the image, highlight important details and save it.
- Support the full screen function.

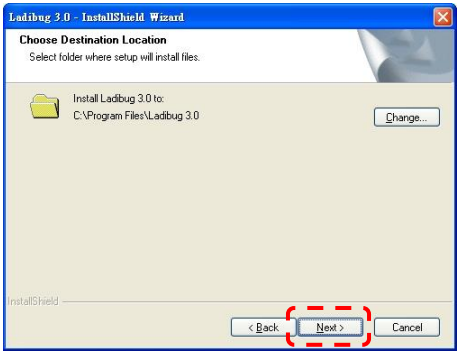
4.5.1 System Requirements

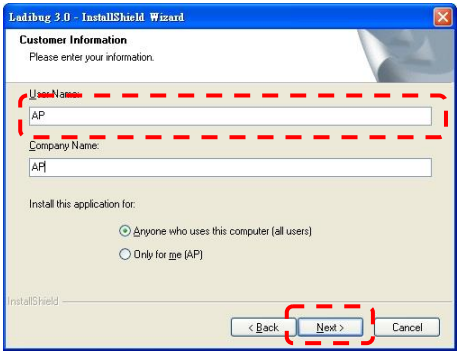
Windows XP	Windows Vista / 7 / 8 /10	MAC OS X 10.7 / 10.8 / 10.9 / 10.10 / 10.11 / 10.12
● Min CPU: P4 2.8 GHz ● Min Memory: 512 MB ● Supporting Direct X 9 ● Min Resolution: 1024 x 768 ● Min Hard Drive Space: 500 MB ● Windows XP SP2 or above	● Min CPU: Intel Core 2 Duo 2GHz ● Min Memory: 1 GB (32-bits)/ 2 GB(64-bits) ● Supporting Direct X 9 ● Min Resolution: 1024 x 768 ● Min Hard Drive Space: 1GB	● Min CPU: Intel Pentium® 2GHz Intel Core 2 Duo ● Min Memory: 1GB DDR2 667Hz RAM or above ● Min Resolution: 1024 x 768 ● 24-bit color display monitor ● Min Hard Drive Space: 1 GB ● QuickTime 7.4.5 or above

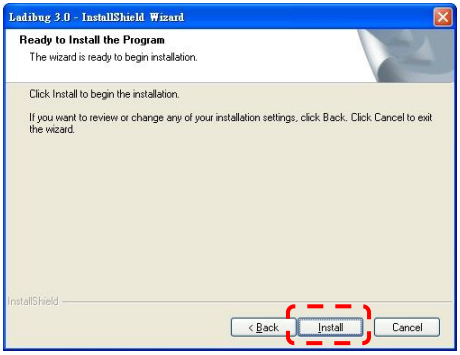
4.5.2 Install with Windows XP/Vista

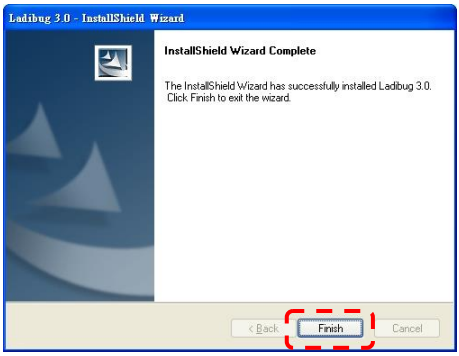
1. Please download **Ladibug™** software at **Lumens** website**.**
2. Extract the file downloaded and then click **[Ladibug]** to install.
3. The installation wizard will guide you through the process. Please follow the on-screen instructions and press **[Next]** for the next step.



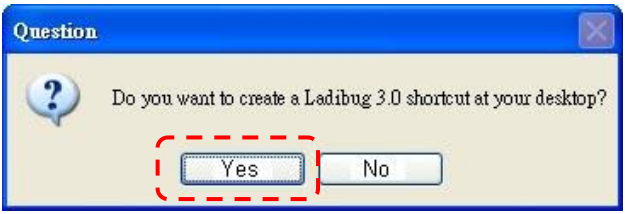




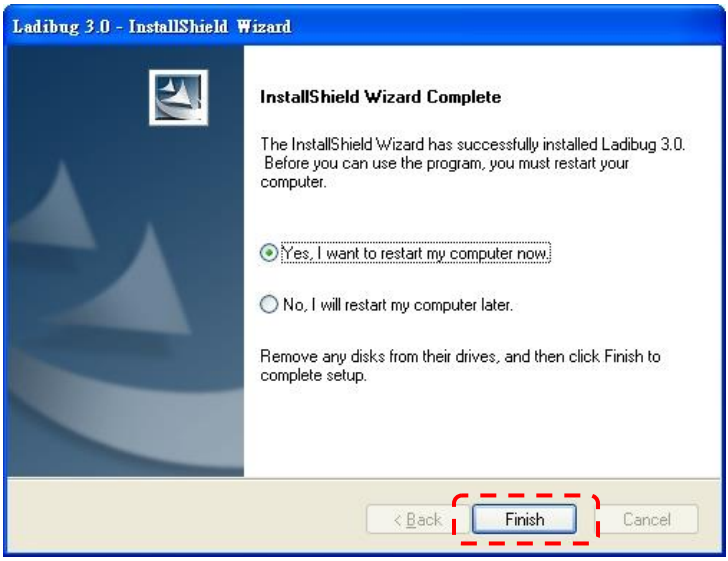




4. Press **[Yes]** to create **Ladibug™** shortcut on your desktop.



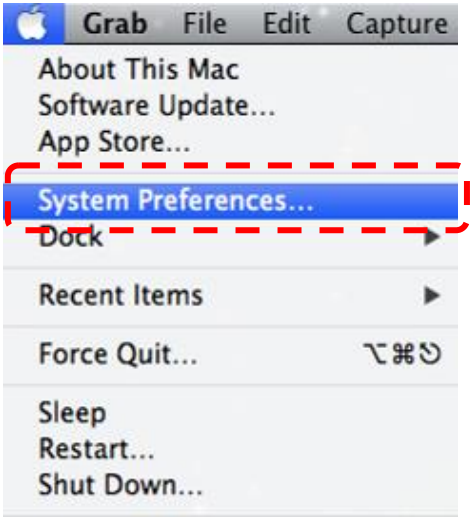
5. Once the installation is completed, press **[Finish]** and restart the computer.



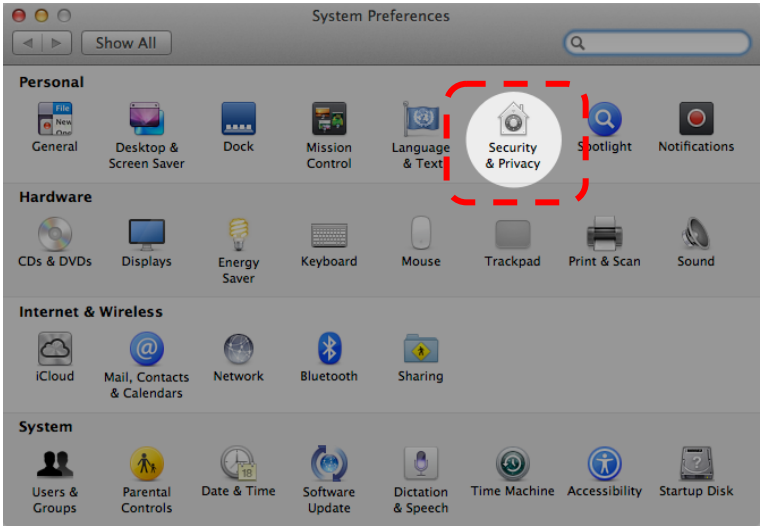
4.5.3 Install with MAC

1. Unlock software authentication: Due to the limitation of MAC system, please follow steps below to unlock software authentication. If unlocked, please skip to Step 2 to start the installation.

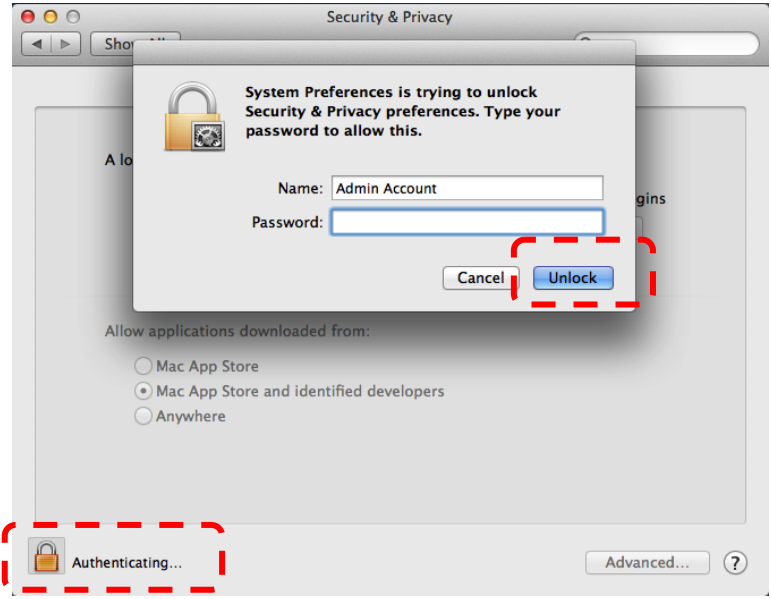
1.1. Select [System Preferences] in the Apple Menu.



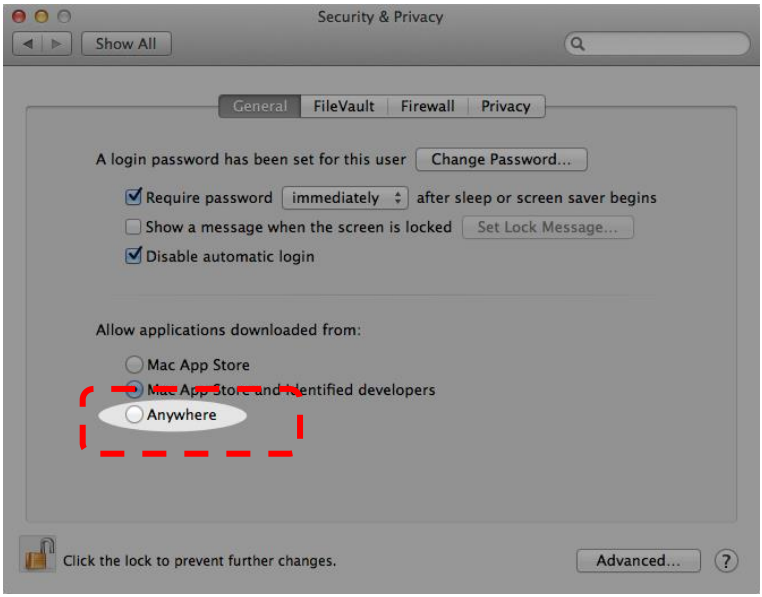
1.2. Click on the [Security & Privacy].



1.3. Click on the Authenticating icon on the lower left corner to unlock the panel, and enter the username and password of the Administrator.

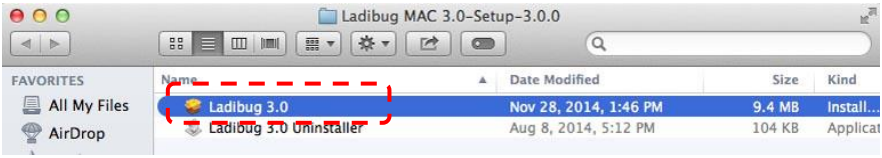


1.4. Click on the [Anywhere] option as shown below.

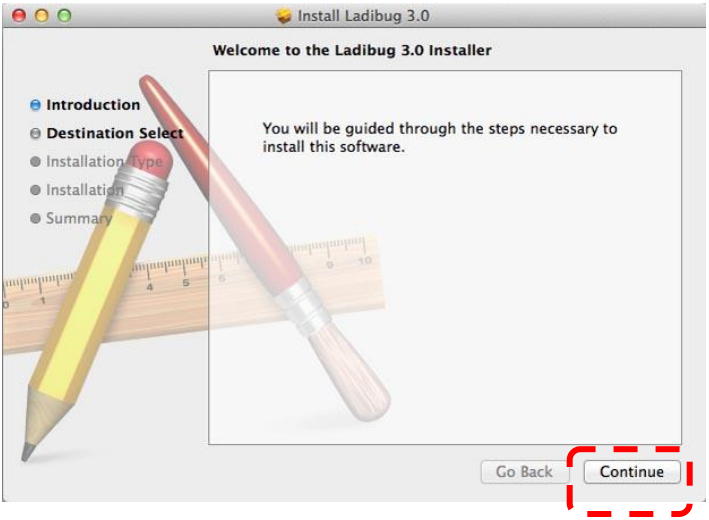


1.5. Select [Allow From Anywhere], and confirm not to proceed with the authentication. Upon completion, start the installation.

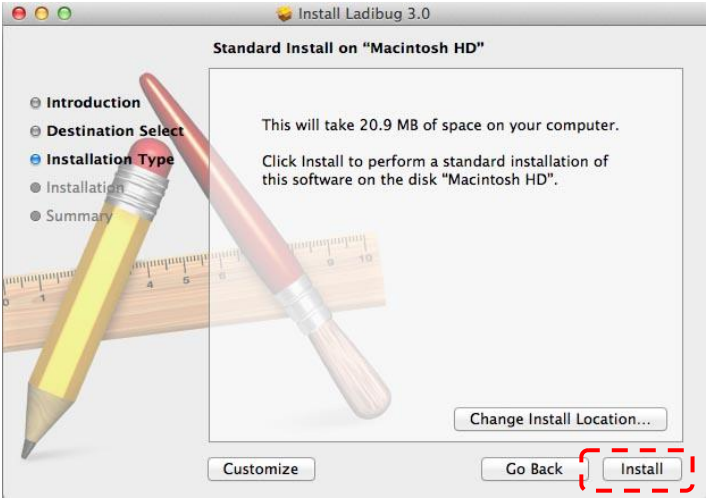
2. Please download **Ladibug™** software at **Lumens** website**.**
3. Extract the file downloaded and then click **[Ladibug]** to install.
4. Please finish the installation by following the on-screen instructions.



5. Click **[Continue]**.

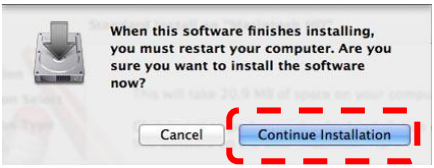


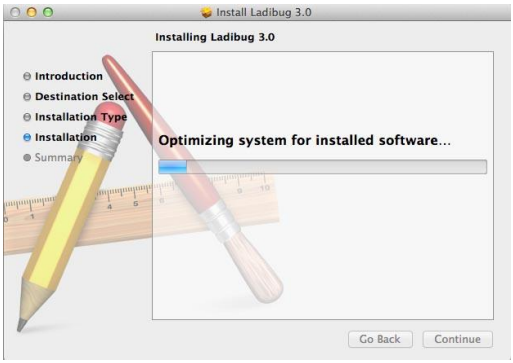
6. Click **[Install]**.



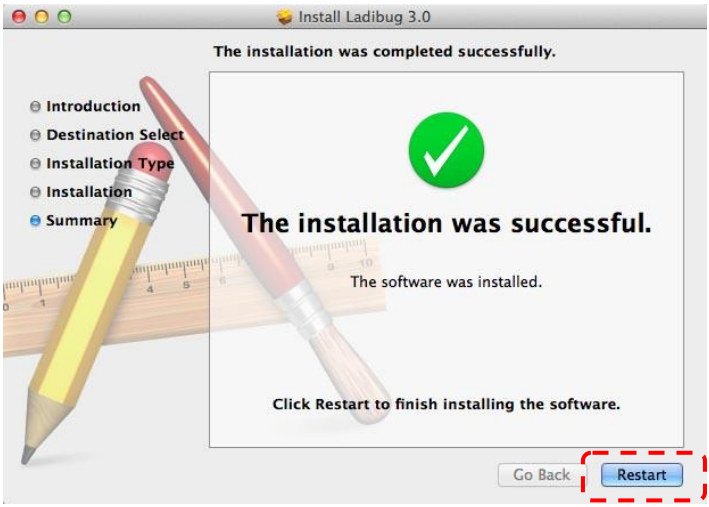
7. Enter the username and password, and then press **[Install Software]**.

8. Click **[Continue Installation]**.



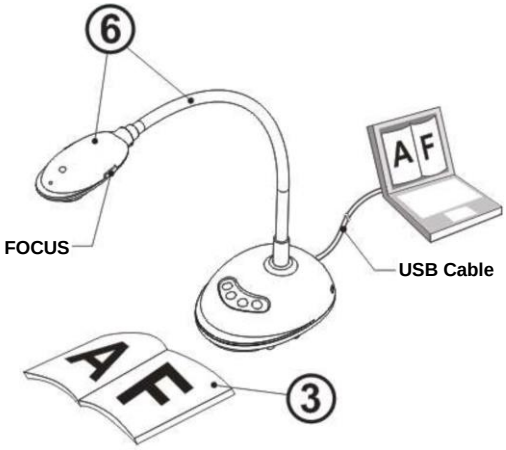


9. Press **[Restart]** to finish the software installation.



Chapter 5 Start Using

<Note> Ensure that the USB cable is connected and Ladibug™ software is installed at first. Refer to Chapter 4 Installation and Connections in this user manual.



1. Double click on icon to open Ladibug™ Software.
2. Place an object to be displayed under the camera.
3. **POWER Frequency** setting page, please complete the settings following the instructions on the screen. A live image is displayed when the setting is finished. (※ This setting is required for the first use only.)
   Note: You are advised to confirm the local voltage/frequency before setting the POWER Frequency. For example, 60Hz is applicable for America, Taiwan, Japan, etc; 50Hz is applicable for Europe or other regions.
4. Press

button to optimize the image. You are ready to teach/present.

Chapter 6 Function Menu

6.1 Function Descriptions of Control Panel Button

<Remark> The below functions are listed alphabetically

Name	Function Descriptions
AUTO TUNE	Automatically adjust the image to have the best brightness and focusing performance.
CAPTURE	Capture the image to the computer.
FOCUS	AF Button.
FREEZE	Freeze the current image to remain temporarily on the screen. Press again to defreeze.
LAMP	Turn on / off LED indicator.

6.2 Windows Operation Interface

6.2.1 Windows Software Screen Introduction - Camera

1. Preview window
2. Page switch

Icon	Function Descriptions
	Real-time image
	Image browser page
	Function settings page
	Software information page
/	Switch to Full Screen
	Disable Ladibug

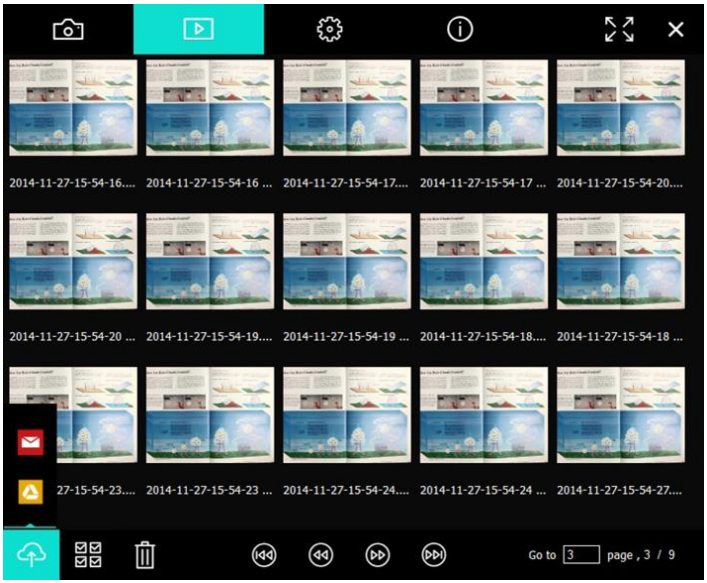
3. Left function menu

Icon	Function Descriptions
	Select the connection mode of camera
	NA
AUTO	Auto focus
	Freeze
	Capture
	Time Lapse
	Setting of annotation tool
	Eraser (Clear all the objects)
	Recover
	Redo
	Fold the menu

4. Right function menu

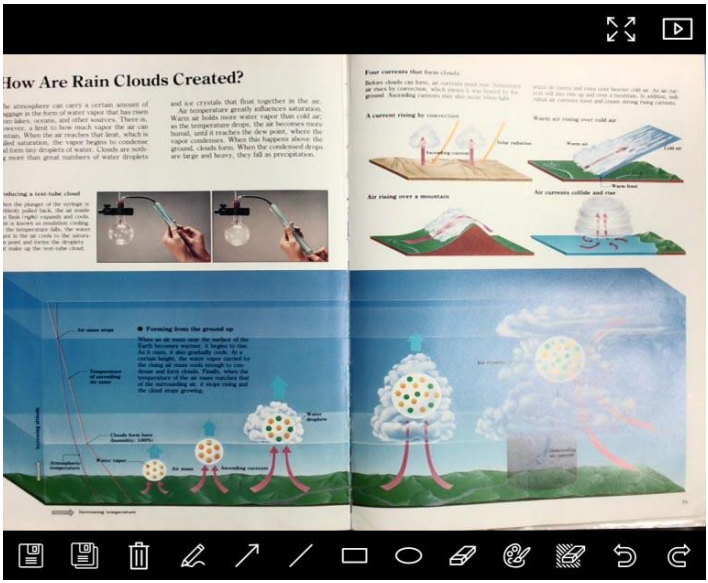
Icon	Function Descriptions
	Switch function menus
	Image setting
	Lamp On/Off
	Brightness
	Recording; this function is not supported in Wireless mode and Share Image mode.
	Free-hand drawing tool
	Arrow
	Circling tool
	Eraser
	Draw a rectangle
	Draw a line
	Edit text
	Mask Mode
	Spotlight Mode
	Fold the menu

6.2.2 Windows Software Screen Introduction - Image Browser Thumbnail



Icon	Function Descriptions	Icon	Function Descriptions
	Upload the file to the cloud		Move to the previous page
	Send e-mail		Move to the next page
	Upload to Google Drive		Move to the last page
	Select All	Go to 1 page ,	Move to a given page
	Delete	1 / 3	Current page/total number of pages
	Move to the first page		

6.2.3 Windows Software Screen Introduction - Large Picture Of Image Browser



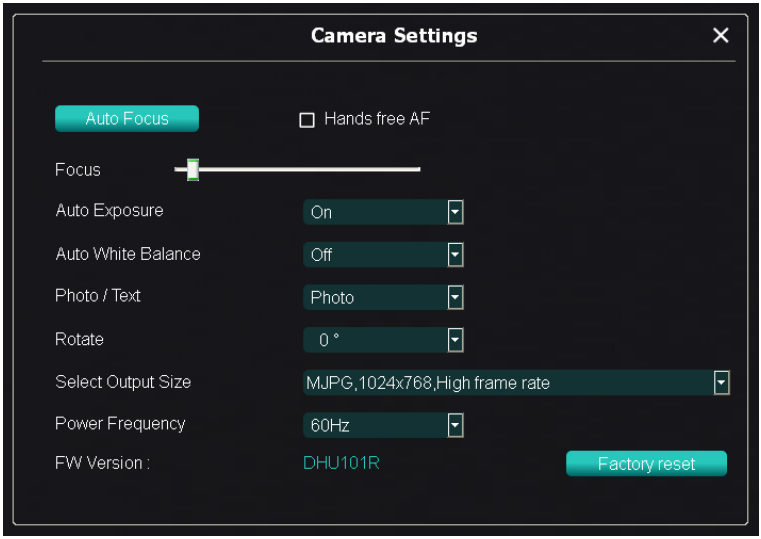
Icon	Function Descriptions	Icon	Function Descriptions
	Save files		Circling tool
	Save as a new file		Eraser
	Delete		Setting of annotation tool
	Free-hand drawing tool		Eraser (Clear all the objects)
	Arrow		Recover
	Draw a line		Redo
	Draw a rectangle		

6.2.4 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.

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

Click to open Camera Settings interface.



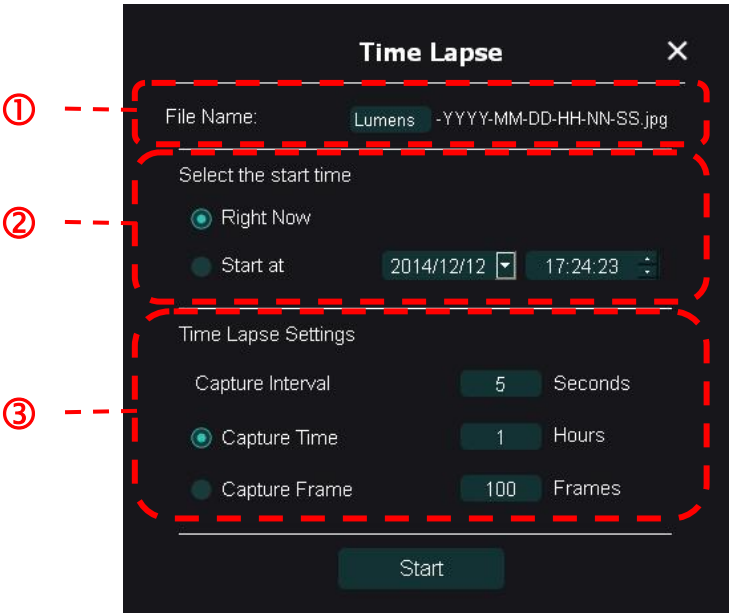
1. **Auto Focus:** Adjust the best focal length.
2. **Hands free AF:** Automatically adjust the best focal length.
3. **Focus:** Manually adjust focal length on an object.
4. **Auto Exposure:** Set on/off.
5. **Auto White Balance:** Set on/off.
6. **Photo/Text:** Setting Photo/Text mode.
7. **Rotate:** Rotate the image by 0/180 degree.
8. **Select Output Size:** Set output resolution.
9. **Power Frequency:** The power frequency may vary with countries. Please check it before using.

<Remark> In most parts of the world, it is 50 Hz. In the America, however, it is typically 60 Hz.

10. **FW Version:** FW version of the Document Camera.
11. **Factory reset:** The function of restoring the Document Camera to default is not supported in Wireless mode.

6.2.5 Time Lapse (Burst Settings)

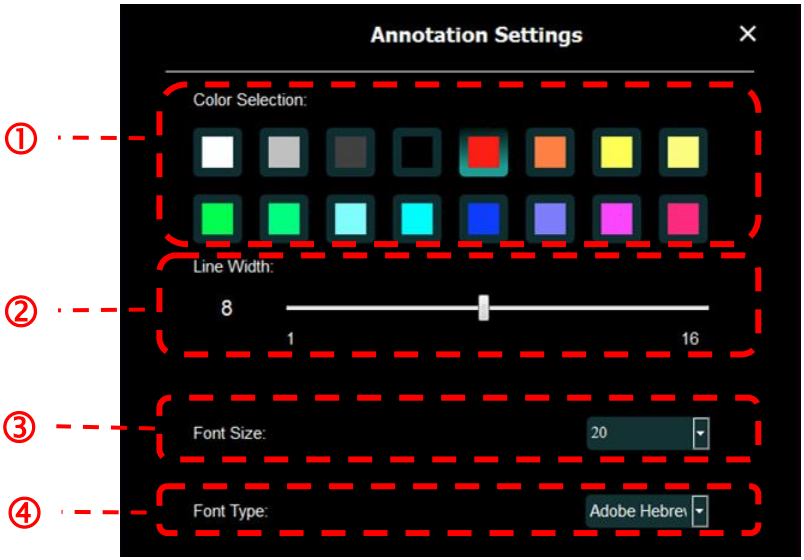
Click **to open Time Lapse menu.**



1. Specify a file name.
2. Set the start time.
3. Set the capture interval and the capture time.

6.2.6 Setting of annotation tool

Click to open the setting menu



1. Set the pen color
2. Select the line width
3. Select the font size
4. Select the font

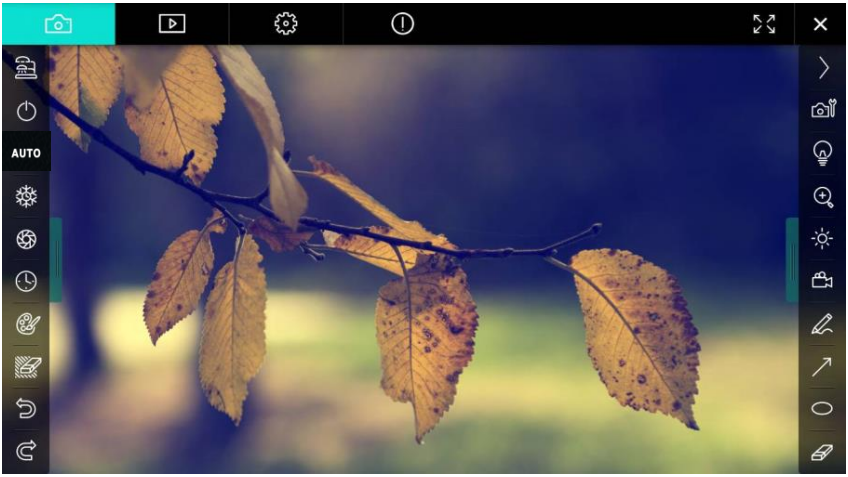
6.2.7 Setting (Advanced)

Click **to open the setting menu**

1. **Software factory reset:** Reset to the default value.
2. **Language:** Select language.
3. **File Directory:** File storage path.
4. **Enable Audio Recorder:** Activate recording function and select audio output device.
5. **Enable Video Compression:** Activate video compression.
6. **Video Compression Type:** Set video compression format.
7. **Video Compression Property:** Open the advanced settings for video compression format.
8. **Share Image:** Share Image; this function is not supported in Wireless mode.
9. **IP address:** Server IP address for image sharing.
10. **Image Quality:** Select image quality (high/medium/low).
11. **Port:** Enter port settings (8500 ~ 9000).
12. **Unicast/Multicast:** Select cast type.
13. **Software Mode:** Change the mode to Live Mode/Drawing Mode according to the requirement

6.3 MAC Operation Interface

6.3.1 MAC Software Screen Introduction - Camera



1. Preview window
2. Page switch

Icon	Function Descriptions
	Real-time image
	Image browser page
	Function settings page
	Software information page
/	Switch to Full Screen
	Disable Ladibug

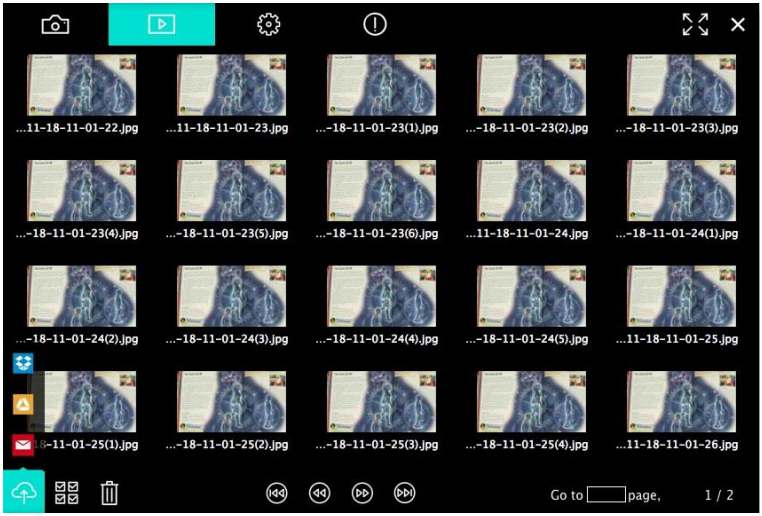
3. Left function menu

Icon	Function Descriptions
	Select the connection mode of camera
	NA
AUTO	Auto focus
	Freeze
	Capture
	Time Lapse
	Setting of annotation tool
	Eraser (Clear all the objects)
	Recover
	Redo
	Fold the menu

4. Right function menu

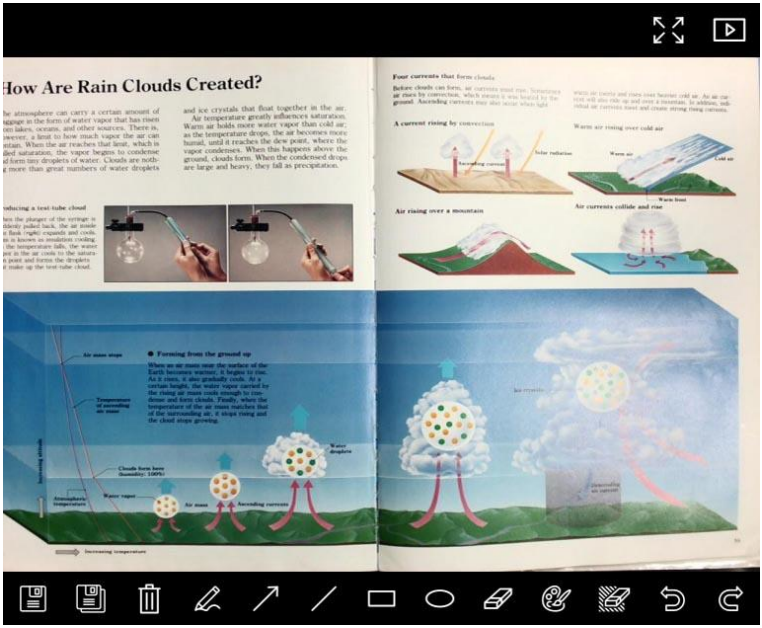
Icon	Function Descriptions
	Switch function menus
	Image setting
	Lamp On/Off
	Brightness
	Recording; this function is not supported in Wireless mode and Share Image mode.
	Free-hand drawing tool
	Arrow
	Circling tool
	Eraser
	Draw a rectangle
	Draw a line
	Edit text
	Mask Mode
	Spotlight Mode
	Fold the menu

6.3.2 MAC Software Screen Introduction - Image Browser Thumbnail



Icon	Function Descriptions	Icon	Function Descriptions
	Upload the file to the cloud		Move to the first page
	Send e-mail		Move to the previous page
	Upload to Google Drive		Move to the next page
	Upload to Dropbox		Move to the last page
	Select All	Go to page,	Move to a given page
	Delete	1 / 2	Current page/total number of pages

6.3.3 MAC Software Screen Introduction - Large Picture Of Image Browser



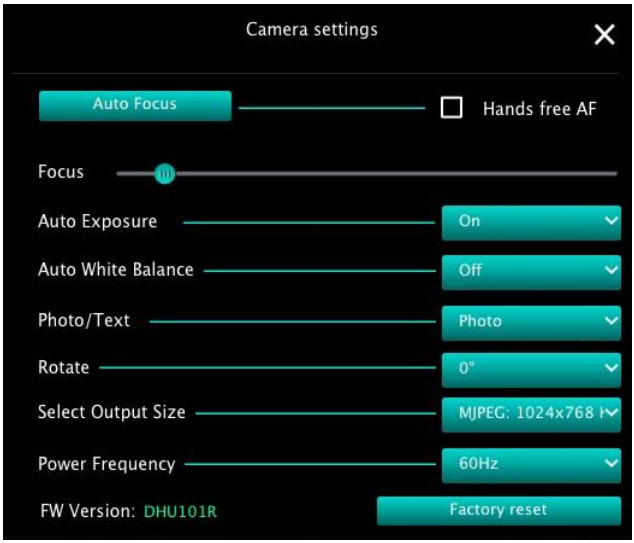
Icon	Function Descriptions	Icon	Function Descriptions
	Save files		Circling tool
	Save as a new file		Eraser
	Delete		Setting of annotation tool
	Free-hand drawing tool		Eraser (Clear all the objects)
	Arrow		Recover
	Draw a line		Redo
	Draw a rectangle		

6.3.4 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.

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

Click to open Camera Settings interface.



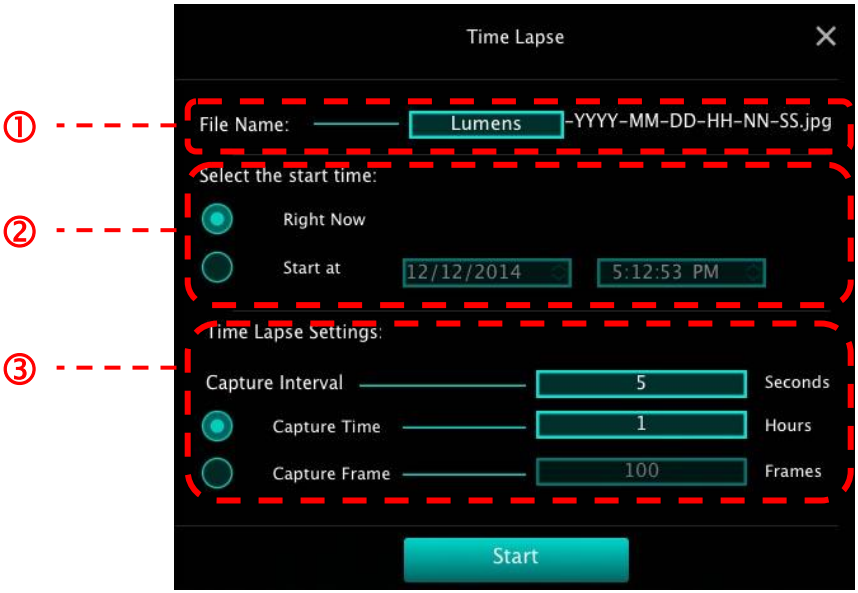
1. **Auto Focus**：Adjust the best focal length.
2. **Hands free AF**：Automatically adjust the best focal length.
3. **Focus**：Manually adjust focal length on an object.
4. **Auto Exposure**：Set on/off.
5. **Auto White Balance**：Set on/off.
6. **Photo/Text**：Setting Photo/Text mode。
7. **Rotate**：Rotate the image by 0/180 degree。
8. **Select Output Size**：Set output resolution.
9. **Power Frequency**：The power frequency may vary with countries. Please check it before using.

   <Remark> In most parts of the world, it is 50 Hz. In the America, however, it is typically 60 Hz.
10. **FW Version:** FW version of the Document Camera.

11. **Factory reset:** The function of restoring the Document Camera to default is not supported in Wireless mode.

6.3.5 Time Lapse

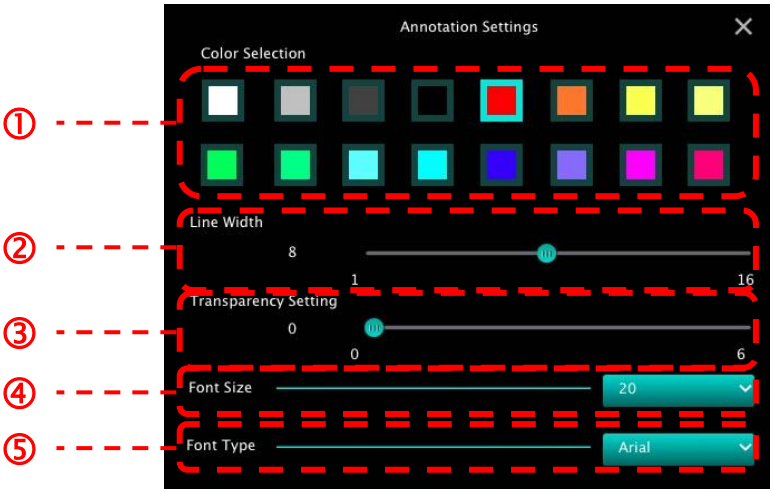
Click **to open Time Lapse menu.**



1. Specify a file name.
2. Set the start time.
3. Set the capture interval and the capture time.

6.3.6 Setting of annotation tool

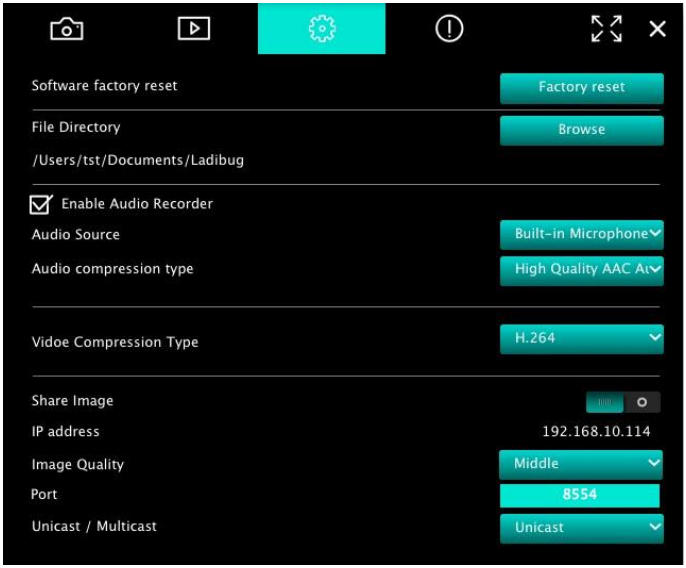
Click to open the setting menu



1. Set the pen color
2. Select the line width
3. Select the transparency
4. Select the font size
5. Select the font

6.3.7 Setting (Advanced)

Click to open the setting menu



1. **Software factory reset:** Reset to the default value.
2. **File Directory:** File storage path.
3. **Enable Audio Recorder:** Activate recording function.
4. **Audio source:** Select audio output device.
5. **Audio Compression Type:** Select audio output quality.
6. **Video Compression Type:** Set video compression format.
7. **Share Image:** Share Image; this function is not supported in Wireless mode.
8. **IP address:** Server IP address for image sharing.
9. **Image Quality:** Select image quality (high/medium/low).
10. **Port:** Enter port settings (8500 ~ 9000).
11. **Unicast/Multicast:** Select cast type.

Chapter 7 Descriptions of major functions – Windows User

7.1 I would like to optimize the image

- Auto Operation: Click

.
- Manually enabled function: Press the AF [FOCUS] button on the camera head of main unit.

7.2 I would like to freeze the live image

- Click to freeze the live image of Ladibug™.
- Click once again to lift the freeze.

7.3 I would like to turn on/off the lamp

- Click to turn on/off the camera lamp.

7.4 I would like to adjust the brightness

- Click to open the brightness scroll.
- Move rightward to increase brightness, or leftward to decrease brightness.

7.5 I would like to capture images

- Click to capture images.

  <Note> When the images are captured, please view the images on the image browser page

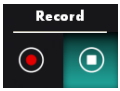
7.6 I would like to capture images continuously

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

  <Note> For more information about Time Lapse setting, please refer to 6.2.5 Time Lapse

  <Note> When the images are captured, please view the images on the image browser page

7.7 I would like to record

- Click to open the recording tool. 

  <Note> Click **to open the setting window of video format and audio source. For more information, please refer to 6.2.7 Setting**

- Click to start recording.

- Click to stop recording.

- Click to close the recording tool.

  <Note> You can add annotation when recording but cannot save it

  <Note> When the images are captured, please view the images on the image browser page

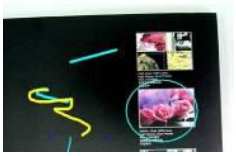
  <Note> The recording function is not available when connecting to the image sharing server or wireless network

7.8 I would like to annotate the displayed image.

<Note> To annotate the stored images, please open the images on the image browser page

- Select an annotation tool.

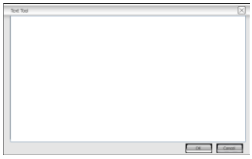
- Mark or annotate the displayed image.



<Remark> If they are live images, you can click **to capture images. If the image files are opened on image browser page** **, you can press the** **[SAVE] or** **[SAVE AS] to save files**

7.9 I would like to add textual annotation to images

- Select .
- Click the screen to display the [Text Tool] window



- Enter text in the blank area and press [OK].

<Remark> If they are live images, you can click **to capture images.**

You can click [SAVE] or [SAVE AS] to save files if they are image files.

7.10 I would like to use the mask mode

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

7.11 I would like to use the spotlight mode

- Click to open spotlight mode.
- You can use the mouse to directly modify the length and the width of the block.
- Press to change the spotlight shape
- Click to close the spotlight mode.

7.12 I would like to manage stored image

Please switch to Image browser page to go through the following steps

7.12.1 Browse images

- Open the Image browser page to view the thumbnails of stored images
- Click on the rightward/leftward icon to switch to another page, or enter numbers to switch to a given page

- Double click on the image to display a large picture
- Click to switch to Full Screen
- Click to return to image thumbnails

7.12.2 Delete Image

- Click the image or click Select All
- Then click Delete to delete the selected image

7.12.3 Share images

- **: Send by E-mail**

a. Click the image or click Select All

b. Click to select how to upload images

c. Enter recipient, subject, and content, and click “Send”

<Remark> Email settings must be completed before sending images via email. Change settings according to the instructions of various operating systems and ISPs.

- **: Upload to Google Drive**

a. Click the image or click Select All

b. Click to select how to upload images

c. Click “**Log In**”. Log in by entering your **google** username and password.

d. Click “Accept” to enable **Ladibug™** to access information stored in **Google Drive**.

e. Click “**Upload**” to upload files. Upload is complete when the “**upload finished**” message is shown.

7.13 I would like to change the operating languages of the software

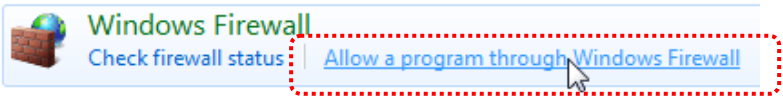
- Switch to settings page
- Select language
- Restart the Ladibug™

7.14 Change the setting of firewall

7.14.1 Windows 7

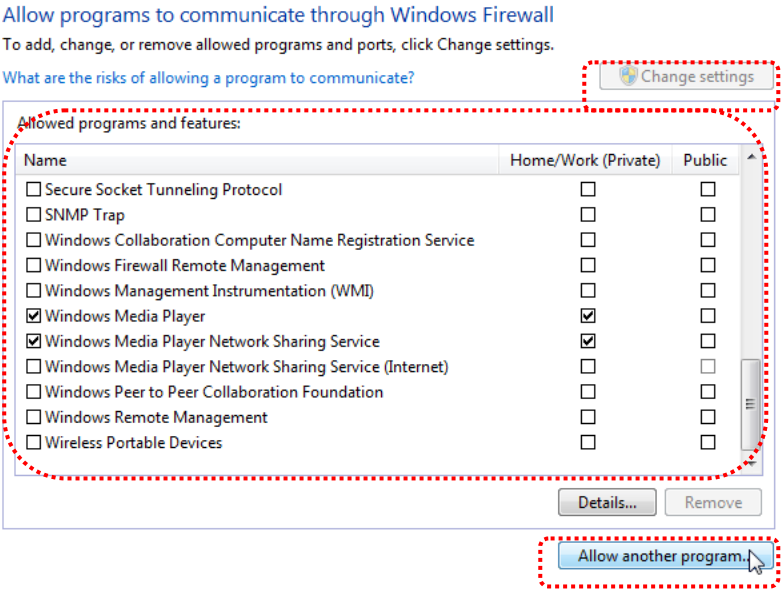
a. Select [**Console**] in [**Start**] menu.

b. Click [**System and Security**], and then click [**Allow a program through Windows Firewall**].



[Remark] Click [Windows Firewall] in the icon view of [Console].

c. Select [Change settings] in [**Allowed programs and features**] window.



d. Please select ***Ladibug*** program in the list.

e. If ***Ladibug*** was not listed, please click [**Allow another program**], and then you will find Ladibug program.

f. Select ***Ladibug***, and then click [**Add**]. If it was not listed, please click [**Browse**], select ***Ladibug*** program, and then click [**Enable**].

[Remark] *Ladibug* may be displayed in the form of *Ladibug.exe.*

g. Click [**OK**] in [**Allowed Program**] window.

h. Close [**Windows Firewall Setting**] window.

7.14.2 Windows 8

a. Point the mouse to the upper right corner of the screen and move the mouse pointer down, then click [**Search**] and input the firewall in the search block, click or click [**Allow the Application Program or Function to pass Windows Firewall**].

b. Click or press [**Change Settings**]. System may ask for your system administrator password or confirm your selection.

c. In the allowed application program list, find **Ladibug**, check the checkbox beside the application program, and then click or press [**Confirm**].

Chapter 8 Descriptions of major functions - MAC User

8.1 I would like to optimize the image

- Click

.

8.2 I would like to freeze the live image

- Click to freeze the live image of Ladibug™.
- Click once again to lift the freeze.

8.3 I would like to turn on/off the lamp

- Click to turn on/off the camera lamp.

8.4 I would like to adjust the brightness

- Click to open the brightness scroll.
- Move rightward to increase brightness, or leftward to decrease brightness.

8.5 I would like to capture images

- Click to capture images

<Note> When the images are captured, please view the images on the image browser page

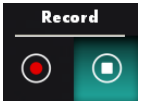
8.6 I would like to capture images continuously

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

<Note> For more information about Time Lapse setting, please refer to 6.3.5 Time Lapse

<Note> When the images are captured, please view the images on the image browser page

8.7 I would like to record

- Click to open the recording tool. 

<Note> Click to open the setting window of video format and audio source. For more information, please refer to 6.3.7 Setting

- Click to start recording.
- Click to stop recording.
- Click to close the recording tool.

<Note> You can add annotation when recording but cannot save it

<Note> When the images are captured, please view the images on the image browser page

8.8 I would like to annotate the displayed image.

<Note> To annotate the stored images, please open the images on the image browser page

- Select an annotation tool.

- Mark or annotate the displayed image.

<Remark> If they are live images, you can click to capture images. If the image files are opened on image browser page, you can press the [SAVE] or [SAVE AS] to save files

8.9 I would like to add textual annotation to images

- Select .
- Select range on page and enter text

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

8.10 I would like to use the mask mode

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

8.11 I would like to use the spotlight mode

- Click to open spotlight mode.
- You can use the mouse to directly modify the length and the width of the block.
- Click to modify the transparency and shape of the block.
- Click to close the spotlight mode.

8.12 I would like to manage stored image

Please switch to **Image browser page** to go through the following steps

8.12.1 Browse images

- Open the **Image browser page** to view the thumbnails of stored images
- Click on the rightward/leftward icon to switch to another page, or enter numbers to switch to a given page

- Double click on the image to display a large picture
- Click to switch to full screen
- Click to return to image thumbnails

8.12.2 Delete images

- Click the image or click Select All
- Then click Delete to delete the selected image

8.12.3 Share images

- **: Send by E-mail**

  a. Click the image or click Select All

  b. Click to select how to upload images

  c. Enter recipient, subject, and content, and click “Send”

  <Remark> Email settings must be completed before sending images via email. Change settings according to the instructions of various operating systems and ISPs.

- **: Upload to Google Drive**

  a. Click the image or click Select All

  b. Click to select how to upload images

  c. Click “**Log In**”. Log in by entering your **Google** username and password.

  d. Click “Accept” to enable **Ladibug™** to access information stored in **Google Drive**.

  e. Click “**Upload**” to upload files. Upload is complete when the “**upload finished**” message is shown.

➢ **: Upload to Dropbox**

a. Click the image or click Select All

b. Click to select how to upload images

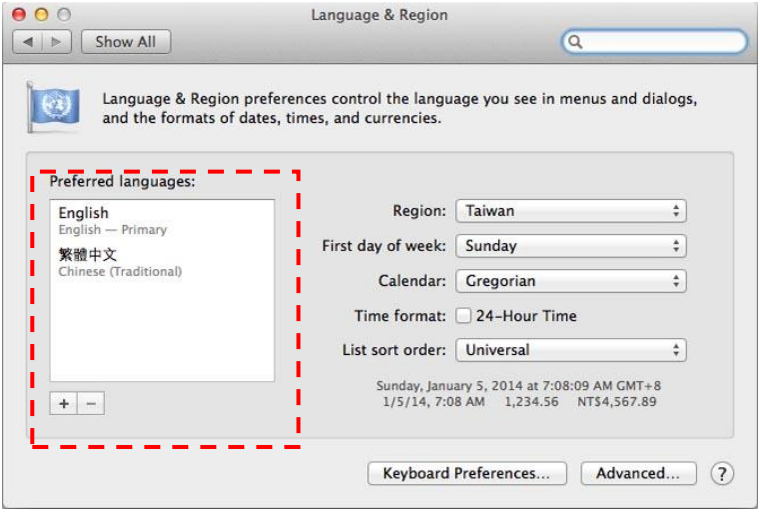
c. Click “**Log In**”. Log in by entering your **Dropbox** username and password.

d. Click “Accept” to enable **Ladibug™** to access information stored in **Dropbox**.

e. Click “**Upload**” to upload files. Upload is complete when the “**Upload complete**” message is shown.

8.13 I would like to change the operating languages of the software

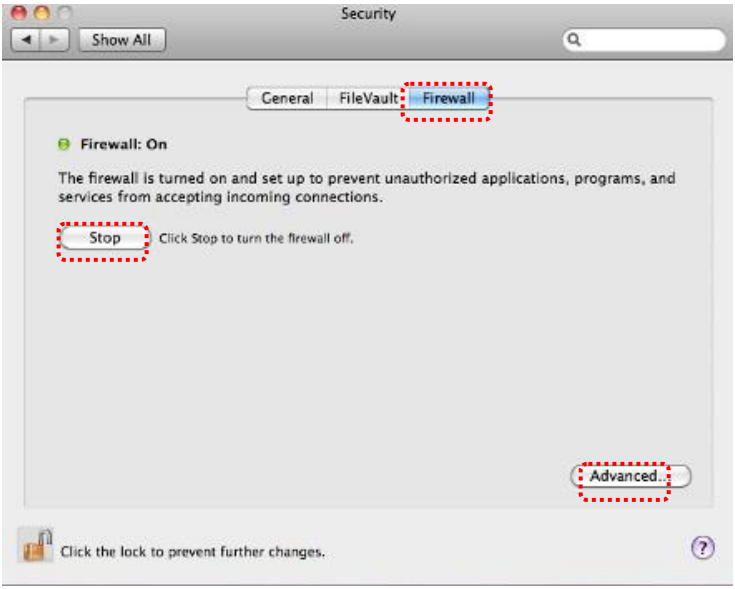
➢ Open the MAC [**System Preferences**] option, select from the [**Preferred Languages**] option list in the [**Language & Region**] icon, and restart.



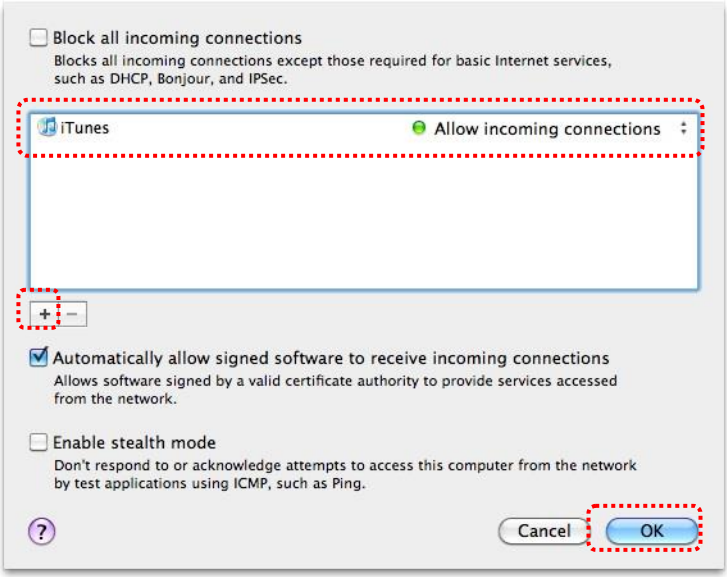
8.14 Change the setting of firewall

Applicable to MAC OS X v10.6/10.7/10.8/10.9

8.14.1 Select the setting of [**System Preferences**] in the **Apple** Menu.
8.14.2 Click on the [**Security**] or [**Security and Privacy**] icon.
8.14.3 Click the tab [**Firewall**].



8.14.4 Click the lock on the lower left corner to unlock the panel, and enter the username and password of the Administrator.
8.14.5 Click [**Start**] or [**Activate Firewall**] to activate the firewall.
8.14.6 Click [**Advanced**] at the lower right corner.
8.14.7 Select [**Automatically allow signed software to receive incoming connections**].
8.14.8 Change ***Ladibug*** in the list to [**Allow incoming connections**]. If the software name was not listed, please click [**+**] to add new programs to the list, and start to use the software.

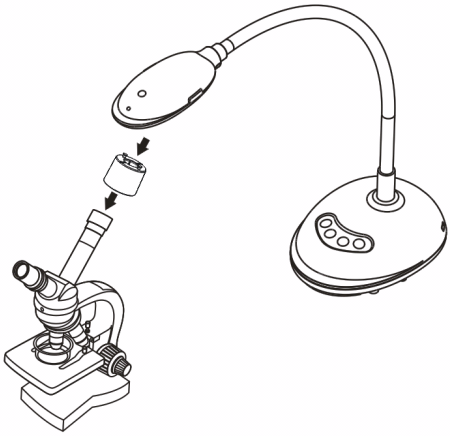

Block all incoming connections
Blocks all incoming connections except those required for basic Internet services, such as DHCP, Bonjour, and IPSec.
iTunes
Allow incoming connections
Automatically allow signed software to receive incoming connections
Allows software signed by a valid certificate authority to provide services accessed from the network.
Enable stealth mode
Don't respond to or acknowledge attempts to access this computer from the network by test applications using ICMP, such as Ping.
Cancel
OK

Chapter 9 Connecting to Microscope

1 Mount the **microscope adapter** onto the microscope.

<Note> Please choose an appropriate microscope adapter. Microscope adapter accessories are applicable to eyepieces of Ø 28 mm.

2 Connect the lens with the **microscope adaptor**.



3 If the image is not clear

3.1. Press the [FOCUS] button on both sides of the lens to activate the auto focus.

Chapter 10 Troubleshooting

This chapter describes problems you may encounter while using DC125. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still exists, please contact our distributors or service center.

No.	Problems	Solutions
1	**Boot without power signal**	Ensure that the USB cable is connected.
2	**Unable to focus**	Probably the document is too close. Please pull the document away from the lens, and then press the [AF] button on both lateral sides of the lens.
3	**DC125 cannot operate normally**	The machine cannot operate normally probably because the power supply of the USB port at the front end of the computer is insufficient. Try to connect to a USB port at the rear end or a USB hub with a power adapter.
4	**Cannot identify DC125**	Outdated or incomplete OS versions might not be able to identify USB devices like DC125. Please use Windows XP SP2 or newer versions that are compatible.
5	**Output screen flicker**	The presetting value of Ladibug™ current frequency is 60 (Hz). If current frequency of your local country is 50 (Hz), output screen flicker may occur during the use of Ladibug™. Please refer to Chapter 6 - 6.2.4 and 6.3.4 Camera Settings to change Power frequency to 50 (Hz).
6	**When running Time Lapse function, Preview screen freezes**	Connecting to USB Hub may cause insufficient band-width, leading to machine abnormalities. It is advised that the machine be connected to the computer directly via USB cable, without USB Hub.

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Manufacturer : **Lumens Digital Optics Inc.**

Product Name : **DC125**

Model Number : **Document Camera**

Responsible Party – U.S. Contact Information

Supplier : Lumens Integration, Inc.

4116 Clipper Court, Fremont, CA 94538, United States

e-mail : support@mylumens.com

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.