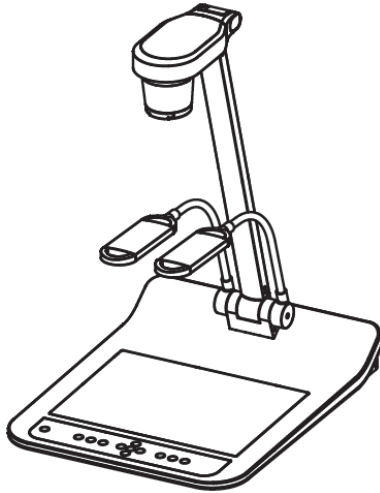


# PS760 Document Camera

## User Manual



### [Important]

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

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# Copyright Information

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# Chapter 1 Safety Instructions

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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. Use the type of power source indicated on the Document Camera. If you are not sure of the type of power available, consult your dealer or local electricity company for advice.
6. Place the Document Camera on a place that it can be unplugged easily.
7. Always take the following precautions when handling the plug. Failure to do so may result in sparks or fire.
  - Ensure the plug is free of dust before inserting it into a socket.
  - Ensure that the plug is inserted into the socket securely.
8. Do not overload wall sockets, extensions leads or multi-way plug boards as this may cause fire or electric shock.
9. Do not place the Document Camera where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
10. Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
11. Do not block the slots and openings in the projector 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 in a built-in installation unless proper ventilation is provided.
12. Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the Document Camera.
13. 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.
14. Unplug the Document Camera 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 heated objects such as a car, etc.
15. Unplug the Document Camera from the wall outlet and refer serving to licensed service personnel when the following situations happen:
  - If the power cable or plug becomes damaged or frayed.
  - If liquid is spilled into it or the Document Camera has been exposed to rain or water.





**<Note> Using an incorrect battery type in the remote control may result in breakdown. Follow your country's instructions on how to dispose of used batteries.**

## ■ Precautions

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

This Document Camera has a 3-wire AC line Plug. This is a safety feature to ensure that the plug will fit into the power outlet. Do not try to disable this safety feature.

If the Document Camera will not be used for an extended time, unplug it from the power socket.

|  |   |   |   |   |
|--|---|---|---|---|
|   | <table border="1"><tr><td>Note</td></tr><tr><td>Risk of Electric Shock</td></tr></table>                  | Note  | Risk of Electric Shock  |  |
| Note   |   |   |   |   |
| Risk of Electric Shock   |   |   |   |   |
| Note: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to licensed service Personnel only. |   |   |   |   |
|    | This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock. |  | This symbol indicates that there are important operating and maintenance instructions in this User Manual with this unit. |   |

## ■ FCC Warning

This equipment has been tested and found to comply with the limits for a Class A or B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

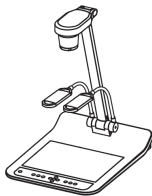
## ■ EN55022 (CE Radiation) Warning

This product is intended for use in a commercial, industrial, or educational environment. It is not intended for residential use.

This is a Class A product. In a domestic environment it may cause radio interference, in which case the user may be required to take adequate measures. The typical use is in a conference room, meeting room or auditorium.

# Chapter 2 Package Contents

PS760



Quick Start Guide

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

Quick Start Guide



4-Step Card  
(Note to Teacher)



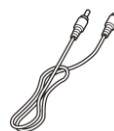
Download and Safety Instruction



USB Cable



Audio Cable



VGA Cable



Mini-DIN Adapter

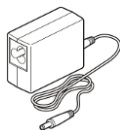


Power Cord



Appearance may vary depending on country/region

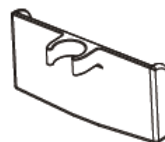
Power Adapter



Remote Control



Remote Control Holder

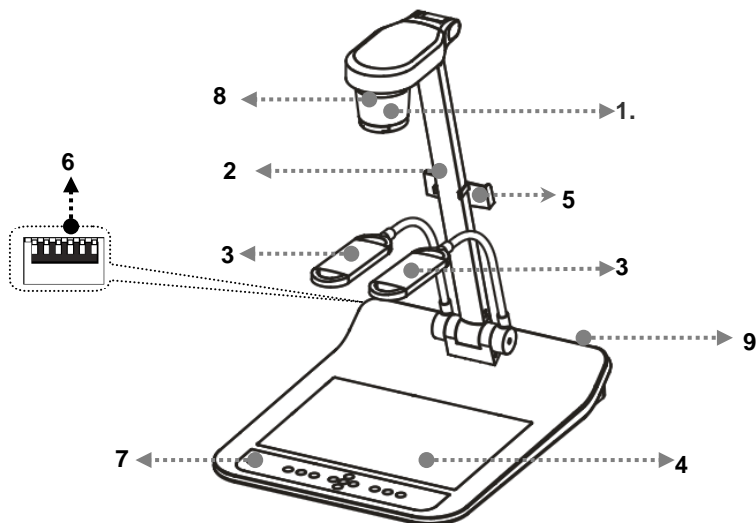


Microscope Adapter



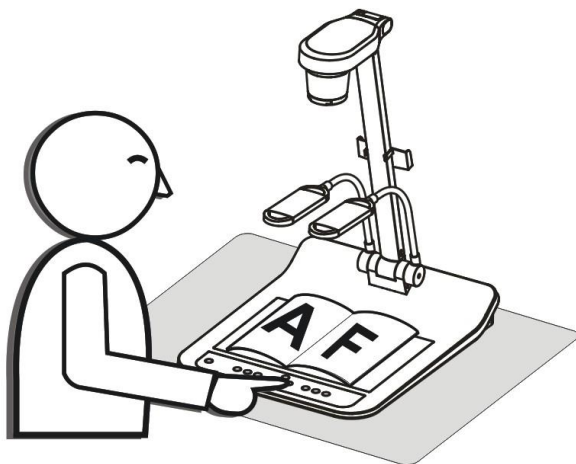


## Chapter 3 Product Overview



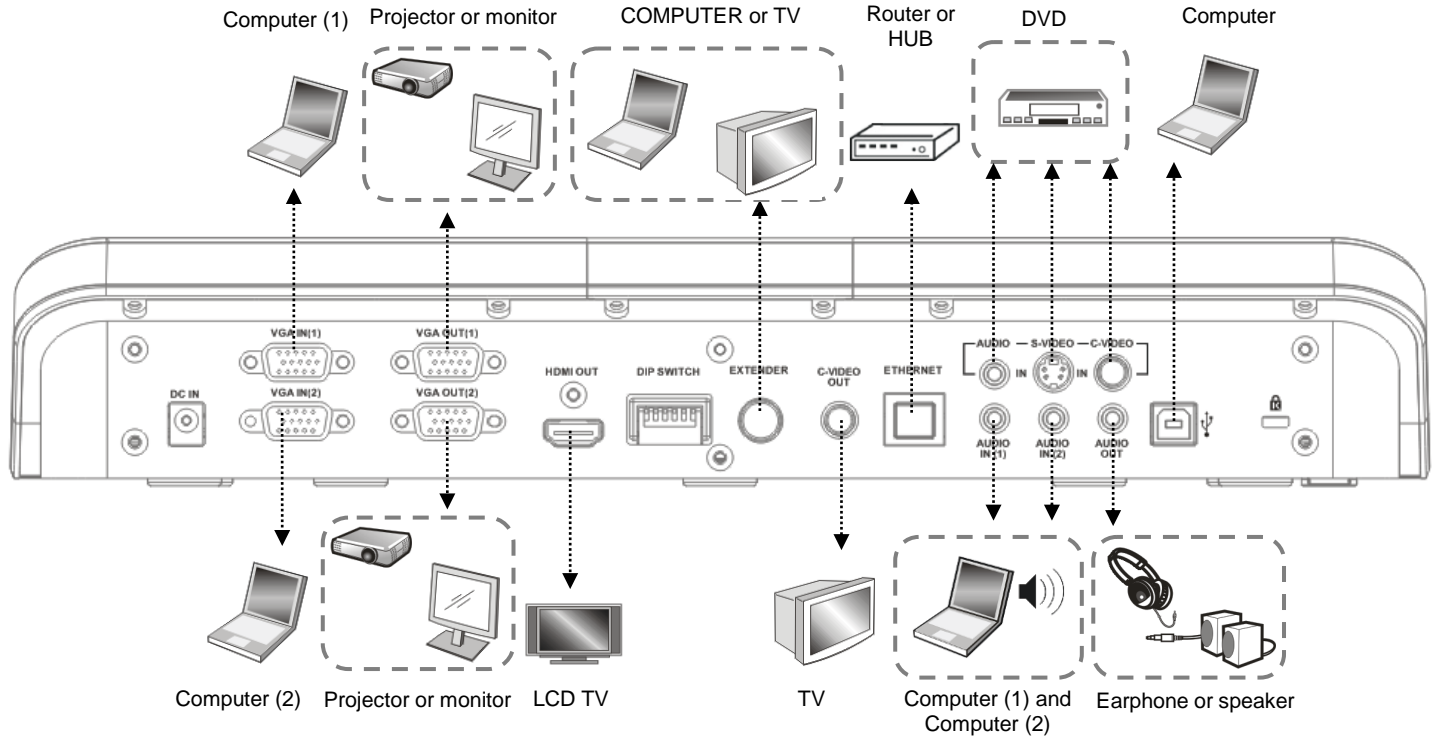
- |                                      |                  |
|--------------------------------------|------------------|
| 1. Lens                              | 2. Camera arm    |
| 3. Auxiliary floodlight and lamp arm | 4. Backlight     |
| 5. Remote Control Holder             | 6. DIP Switch    |
| 7. Control panel                     | 8. Remote sensor |
| 9. Input/output port                 |                  |

### 3.1 Relative position of the presenter and document

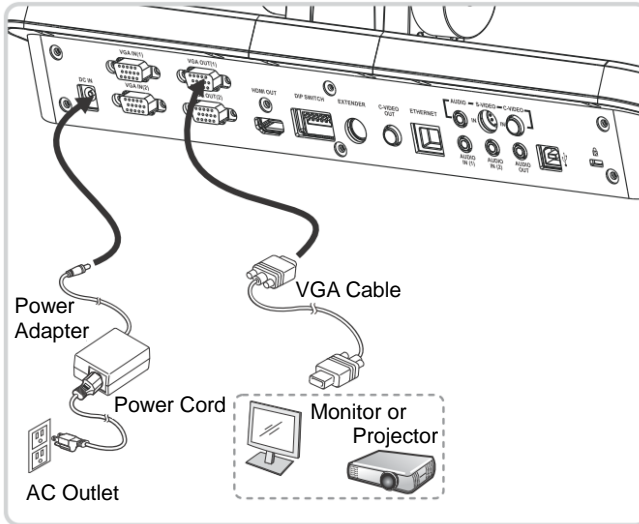


# Chapter 4 Installation and Connections

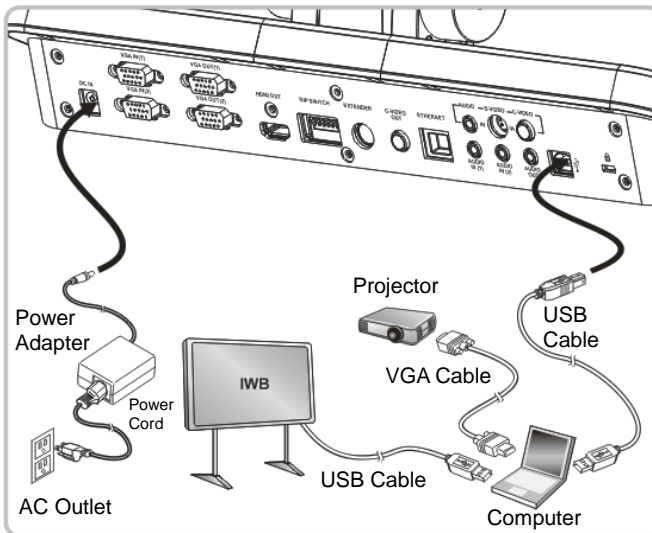
## 4.1 System diagram



## 4.2 Connecting to a projector or monitor

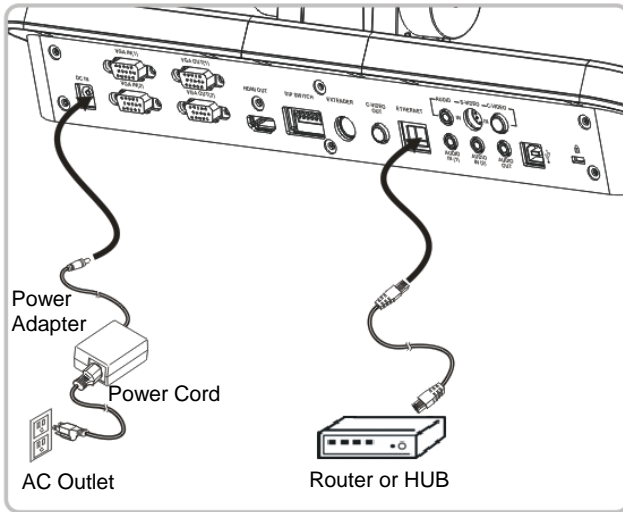


## 4.3 Connecting to a Computer and Use Lumens Software or an Interactive Whiteboard (IWB)



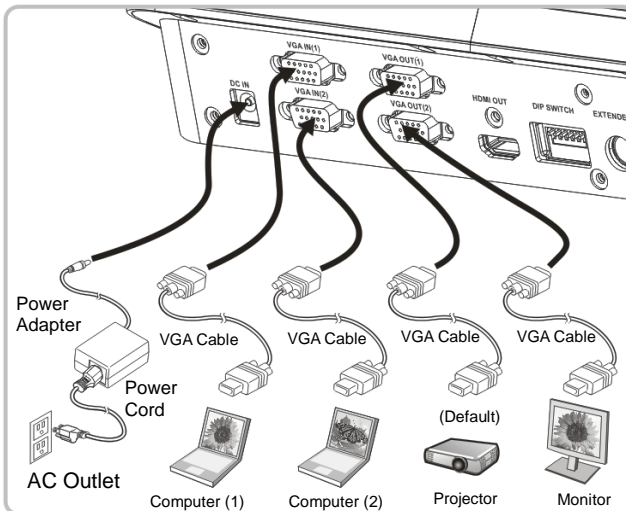
- Software can be downloaded from Lumens website.


## 4.4 Connecting to Internet



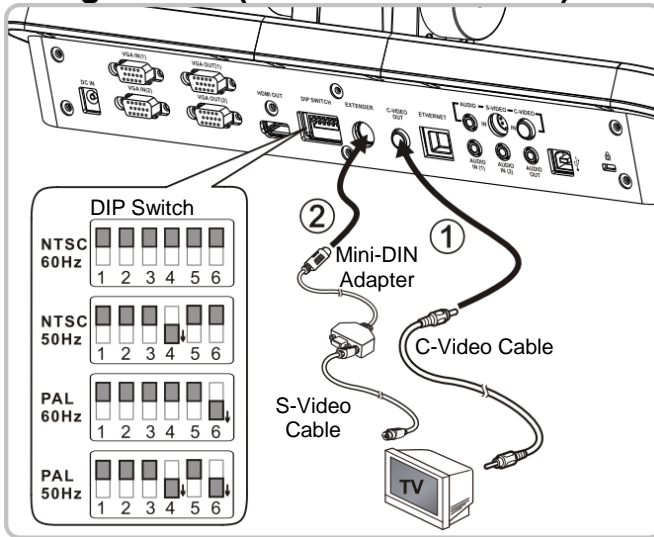
- For the related setting, please refer to [7.26 I would like to use the network remote control function.](#)

## 4.5 Connecting to a Projector, 2 PCs, and a Monitor at the Same Time



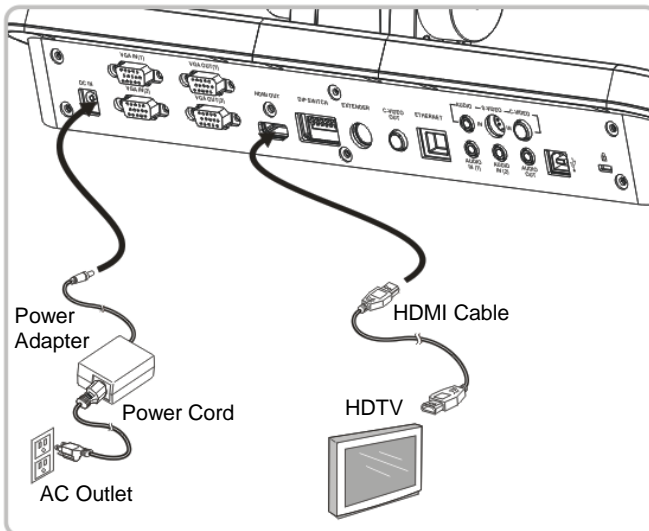
- Press  button to switch the image source.
- For VGA 1 setting, refer to [7.2 I would like to switch image sources.](#)
- For VGA 2 setting, refer to [7.3 I would like to set the image source of VGA OUT2.](#)

## 4.6 Connecting to a TV (C-Video or S-Video)




- NTSC: USA, Taiwan, Panama, Philippines, Canada, Chile, Japan, Korea, and Mexico.
  - PAL: Countries/regions not listed above.
  - Please adjust it to be suitable for the local voltage frequency of 50/60Hz. For the frequency in actual use, please refer to the manual. ([Attachment 1](#))
- <Note> You should unplug and reconnect the power cord, and then restart the machine for DIP Switch Settings to take effect.**

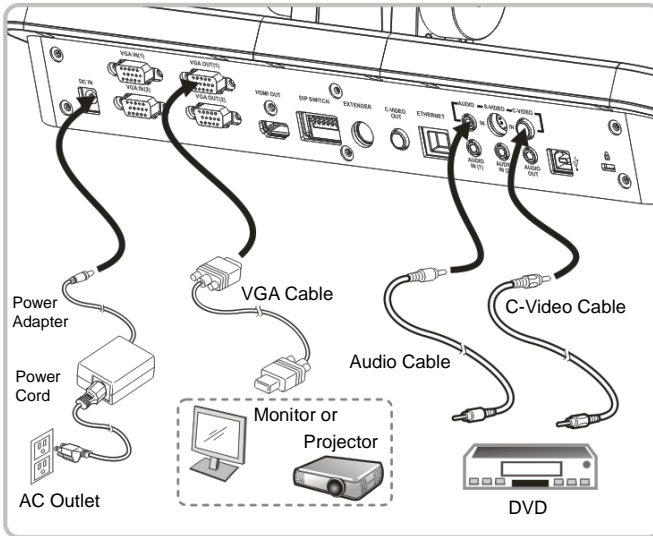
## 4.7 Connecting to an HDTV



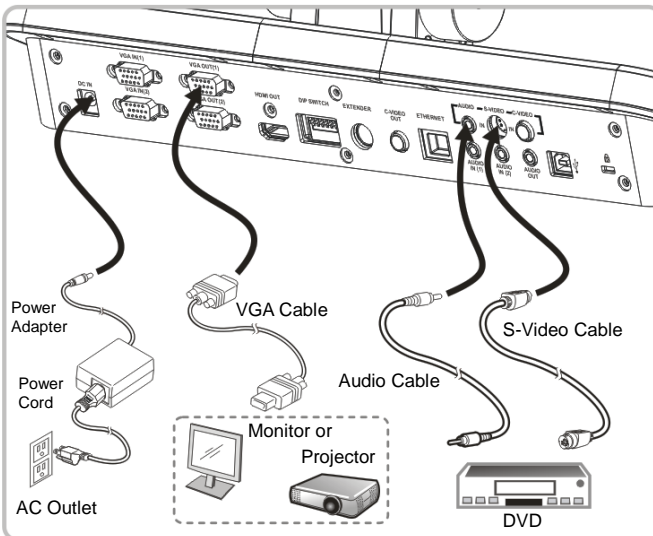
## 4.8 Connecting to DVD and display DVD images

- Press  button to switch the image source.
- For VGA 1 setting, refer to [7.2 I would like to switch image sources.](#)
- For VGA 2 setting, refer to [7.3 I would like to set the image source of VGA OUT2.](#)

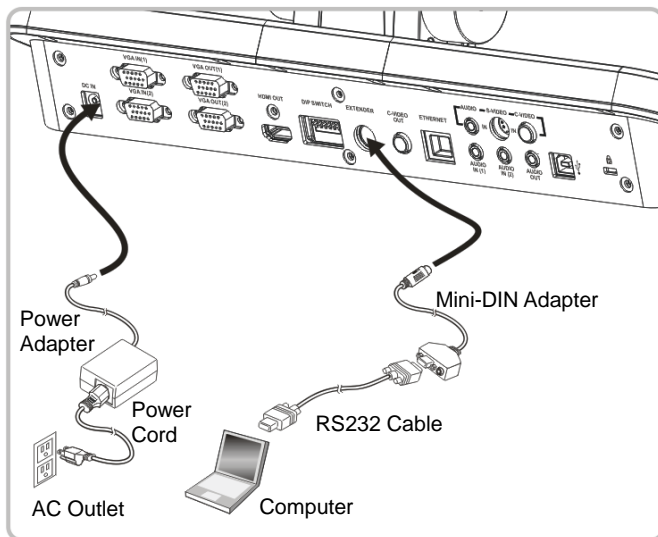
### 4.8.1 C-Video



### 4.8.2 S-Video



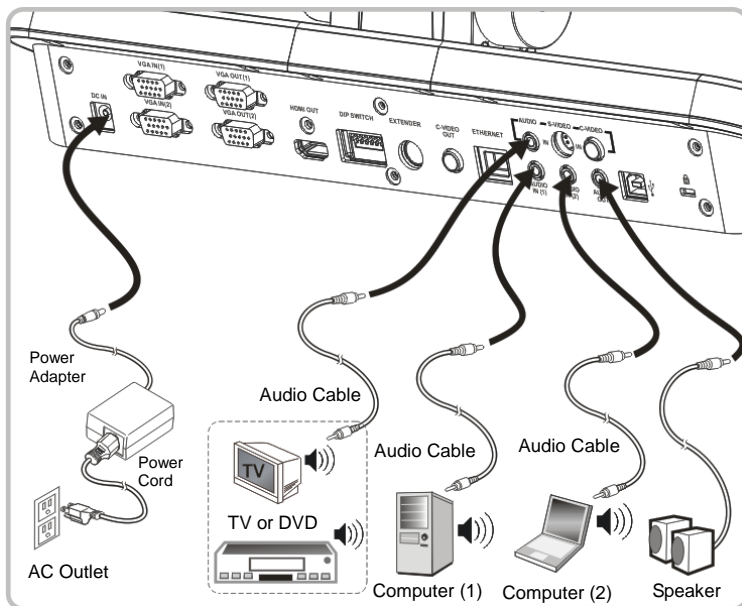
## 4.9 Connecting to a Computer with RS232



## 4.10 Connecting to Audio Input and Output

<Remark> The default of Audio Output is based on VGA OUT(1).

<Remark> Or connect to an additional amplifier before connecting to the speaker.



## 4.11 Installing application software

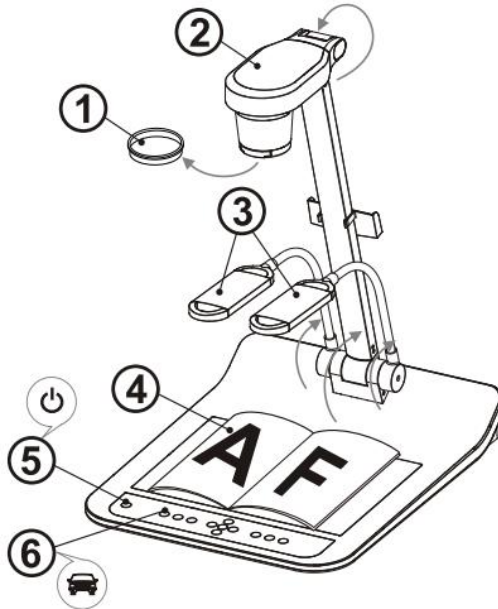
The application software installed on the computer enables you to:

- Control the PS760.
- Capture and record images.
- Annotate the image, highlight important details and save it.
- Support the full screen function.



**<Note> Please refer to Podium View™ software user manual for installation steps and software operation.**



# Chapter 5 Start Using



**<Note>: Please adjust it to be suitable for the local voltage frequency of 50/60Hz. For the frequency in actual use, please refer to the manual. ([Attachment 1](#))**

1. Remove the lens cap.
2. Pull up the camera and the camera arm. The camera should aim at the center of the presenter.
3. Pull up the lamp arm to a proper position.
4. Place an object to be displayed under the camera.
5. Press [POWER]  button to turn on the power. **(Remark: Do not press [POWER] button until the red light stays lit)**
6. Press [AUTO TUNE]  button to optimize the image. You are ready to teach/present.


**<Note>: According to your request, you can adjust the camera head slightly to aim at the center of the documents when the anchor of lens was reached.**

- When using the remote control, aim at the remote sensor on the DC190, and press the power button.
- Once PS760 is turned on, the LED indicator on the control panel will light up red. Please contact your dealer if the LED is not on.

# Chapter 6 Control Panel/Remote Control and Setting Menu

## 6.1 Functions of control panel and remote control

<Remark> The below functions are listed alphabetically.

| Name   | Function Descriptions   | Operation                        |
|--|---|----------------------------------|
|  | Turn on and off the Document Camera.  | Remote control/<br>Control panel |
| ◀, ▶, ▲, ▼   | Move up, down, left or right to select the needed function.   | Remote control/<br>Control panel |
| <b>AUTO TUNE</b>   | Automatically adjust the image to have the best brightness and focusing performance. Press and hold the button on the control panel for 2 seconds to lock/unlock keys (for control panel only). | Remote control/<br>Control panel |
| <b>BRT+/-</b>  | Manually adjust the brightness of the image.  | Remote control/<br>Control panel |
| <b>CAPTURE</b>   | Capture images to the USB disk (priority) or internal memory.   | Remote control/<br>Control panel |
| <b>DELETE</b>  | Delete images from the USB disk (priority) or internal memory.  | Remote Control                   |
| <b>ENTER</b>   | Enter/Activate functions.   | Remote control/<br>Control panel |
| <b>FREEZE</b>  | Freeze the current image to temporarily stay on the screen. Press again to defreeze.  | Remote control/<br>Control panel |
| <b>LAMP</b>  | Turn on/off the lamp.   | Control panel                    |
| <b>MASK</b>  | Enter Mask/Spotlight mode.  | Remote Control                   |
| <b>MENU</b>  | Activate the setting menu/exits the menu.   | Remote control/<br>Control panel |

|                   |   |  |
|-------------------|---|--|
| <b>PAN</b>        | Enable/Disable the Partial Enlarged mode.   | <b>Remote Control</b>                    |
| <b>PIP</b>        | Image comparison (compares live images with captured image files).  | <b>Remote Control</b>                    |
| <b>PLAYBACK</b>   | Read files stored in the USB disk (priority) or internal memory.  | <b>Remote Control</b>                    |
| <b>RECORD</b>     | Record motion images. Press [RECORD] to record images to USB disk (priority) or internal memory, and then press [RECORD] again to stop recording. | <b>Remote Control</b>                    |
| <b>SLIDE SHOW</b> | Show the photos or videos stored in the USB disk (priority) or internal memory in Slide mode.   | <b>Remote Control</b>                    |
| <b>VGA 1</b>      | Switch between different image sources of <b>VGA 1</b> .<br>Visual Presenter/VGA IN(1)/VGA IN(2)/DVD.   | <b>Remote control/<br/>Control panel</b> |
| <b>ZOOM +/-</b>   | Increase or decrease the image size.  | <b>Remote control/<br/>Control panel</b> |

## 6.2 Setting Menu

### 6.2.1 Main Menu:

<Remark> Press **[Menu]** on the **remote control** or **control panel** to enter the **setting menu**; The **bold underlined** values in the following table are defaults.

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values      | Function Descriptions   |
|-----------------------------------|-----------------------------------|--|---|
| Display                           | Auto Tune                         | <u>Enter</u>                                 | Automatically adjust the image to have the best brightness and focusing performance.  |
|                                   | Auto Focus                        | <u>Enter</u>                                 | Automatically adjust the focal length of image.   |
|                                   | Focus                             | 0~ <u>A</u> ~Max                             | Use the left and right arrow keys to adjust focal length on an object.  |
|                                   | Brightness                        | 0~ <u>A</u> ~Max                             | Use the left and right arrow keys to adjust the brightness.   |
|                                   | Rotate                            | 1. <u>0°</u><br>2. 90°<br>3. 180°<br>4. 270° | Rotate the image by 0°/90°/180°/270°.   |
|                                   | Mode                              | <u>Normal</u> /Slide/<br>Film/Microscope     | Use the left and right arrow keys to select the image mode.   |
|                                   | Photo/Text                        | <u>Photo</u> /Text/Gray                      | Use the left and right arrow keys to select the image mode.   |
|                                   | Mask                              | <u>Enter</u>                                 | Press [ENTER] to enter the MASK Mode. For details, please refer to <a href="#">6.2.2 MASK Mode Setting Menu</a> and <a href="#">6.2.3 Spotlight Mode Setting Menu</a> . |
|                                   | Night Vision                      | On/ <u>Off</u>                               | Use the left and right arrow keys to select. The night vision mode suits with darker environment.   |

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values   | Function Descriptions   |
|-----------------------------------|-----------------------------------|---|---|
| Storage                           | Slide Show                        | <u>Enter</u>  | Press [ENTER] to show the photos or videos stored in the USB disk (priority) or internal memory in Slide mode.  |
|                                   | Playback                          | <u>Enter</u>  | Press [ENTER] to enter the thumbnail mode of image.   |
|                                   | Delay                             | 1. 0.5 Sec<br>2. <u>1 Sec</u><br>3. 3 Sec<br>4. 5 Sec<br>5. 10 Sec<br>6. Manual | Use the left and right arrow keys to select the delay time. Select manual mode to switch images manually.   |
|                                   | Image Quality                     | 1. High<br>2. <u>Medium</u><br>3. Low   | Use the left and right arrow keys to select the image quality for the captured images and recorded videos.  |
|                                   | Copy To USB Disk                  | Yes/ <u>No</u>  | Press [ENTER] to immediately copy the data in internal memory to the USB Disk.  |
|                                   | Delete All                        | Yes/ <u>No</u>  | Use the left and right arrow keys to select, press [ENTER] to confirm the deletion of all images from the USB disk (priority) or internal memory.                               |
|                                   | Format                            | Yes/ <u>No</u>  | Use the left and right arrow keys to select, and then press [ENTER] to format the USB disk (priority) or internal memory.   |
|                                   | Auto Erase                        | On/ <u>Off</u>  | Use the left and right arrow keys to turn on/off the auto erase function. When "On" is selected, the stored images will automatically be deleted when the system is turned off. |

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values  | Function Descriptions  |
|-----------------------------------|-----------------------------------|--|--|
| Setting                           | Capture Action                    | <ol style="list-style-type: none"> <li><u>Single</u></li> <li>Continuous shooting</li> <li>Disable</li> </ol>  | Use the left and right arrow keys to select the capture mode. (Single/Continuous/Video/Disable)<br><b>&lt;Note&gt; The image cannot be captured when the capture mode is set to [VIDEO].</b> |
|                                   | Capture Mode                      | <u>Photo</u> /Video  | Use the left and right arrow keys to select CAPTURE setting.   |
|                                   | Capture Time                      | <ol style="list-style-type: none"> <li><u>1 hr</u></li> <li>2 hr</li> <li>4 hr</li> <li>8 hr</li> <li>24 hr</li> <li>48 hr</li> <li>72 hr</li> </ol> | Use the left and right arrow keys to select the capture time.<br><b>&lt;Note&gt; It only works when the capture mode is set to [continuous].</b>   |
|                                   | Capture Interval                  | <ol style="list-style-type: none"> <li><u>5 Sec</u></li> <li>10 Sec</li> <li>30 Sec</li> <li>1 Min.</li> <li>2 Min.</li> <li>5 Min.</li> </ol>       | Use the left and right arrow keys to select the capture interval.<br><b>&lt;Note&gt; It only works when the capture mode is set to [continuous].</b>   |
|                                   | Auto Exposure                     | <u>On/Off</u>  | Regardless of outside environment, the machine will adjust the brightness to the optimal condition. Use the left and right arrow keys to select.   |
|                                   | White Balance                     | <u>Enter</u>   | Regardless of outside light or color, the machine will adjust the color to the optimal condition; Press [ENTER] to activate.   |
|                                   | Volume                            | 0~ <u>A</u> ~Max   | Use the left and right arrow keys to adjust the volume.  |
|                                   | Projector Type                    | DLP/ <u>LCD</u>  | Use the left and right arrow keys to select the projector type and reduce image noise.   |
|                                   | Digital Zoom                      | On/ <u>Off</u>   | Use the left and right arrow keys to turn on/off <b>digital zoom</b> .   |

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values  | Function Descriptions   |
|-----------------------------------|-----------------------------------|--|---|
| Advanced                          | Ethernet                          | <u>Enter</u>   | Press [ENTER] to show the Ethernet window. For details, please refer to <a href="#">6.2.5 Ethernet Setting Menu</a> .   |
|                                   | Language                          | <ol style="list-style-type: none"> <li>1. <b>English</b></li> <li>2. 繁體中文</li> <li>3. Deutsch</li> <li>4. Français</li> <li>5. Español</li> <li>6. Русский</li> <li>7. Nederlands</li> <li>8. Suomi</li> <li>9. Polski</li> <li>10. Italiano</li> <li>11. Português</li> <li>12. Svenska</li> <li>13. ČESKY</li> <li>14. 简体中文</li> </ol> | <p>English<br/>Traditional Chinese<br/>German<br/>French<br/>Spanish<br/>Russian<br/>Dutch<br/>Finnish<br/>Polish<br/>Italian<br/>Portuguese<br/>Swedish<br/>Czech<br/>Simplified Chinese</p> <p>Use the left and right arrow keys in the Language option to select the preferred language.</p> |
|                                   | VGA OUT(2)                        | <ol style="list-style-type: none"> <li>1. <b>VGA OUT(1)</b></li> <li>2. VGA IN(1)</li> <li>3. VGA IN(2)</li> <li>4. DVD</li> </ol>   | Use the left and right arrow keys to select the images output from VGA OUT(2).  |
|                                   | Date & Time                       | <u>Enter</u>   | Press [ENTER] to show the Date & Time window. For details, please refer to <a href="#">6.2.4 Date &amp; Time Setting Menu</a> .   |
|                                   | Lock Down                         | On/ <u>Off</u>   | Use the left and right arrow keys to turn on/off the lock down function. You can set the password when [On] is selected.  |
|                                   | Preset Load                       | Yes/ <u>No</u>   | Read the value of the current image mode. Use the left and right arrow keys to select, and then confirm by pressing [ENTER].  |
|                                   | Preset Save                       | Yes/ <u>No</u>   | Store the value of the current image mode. Use the left and right arrow keys to select, and then confirm by pressing [ENTER].   |
|                                   | Factory Reset                     | Yes/ <u>No</u>   | Use the left and right arrow keys to select, and then confirm by pressing [ENTER] to restore the factory defaults.  |

## 6.2.2 MASK Mode Setting Menu

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values | Function Descriptions   |
|-----------------------------------|-----------------------------------|---|---|
| Mask Mode                         | Transparency                      | 0~ <u>4</u> ~6                          | Adjust the transparency of the mask using left and right arrow keys.      |
|                                   | Step                              | Large/ <u>Medium</u> /Small             | Select the step distance of the mask using left and right arrow keys.     |
|                                   | V Size                            | 0~ <u>A</u> ~Max                        | Adjust the vertical height of the mask using left and right arrow keys.   |
|                                   | H Size                            | 0~ <u>A</u> ~Max                        | Adjust the horizontal length of the mask using left and right arrow keys. |
|                                   | Spotlight                         | <u>Activate</u>                         | Press [ENTER] to enter the Spotlight mode.                                |

## 6.2.3 Spotlight Mode Setting Menu

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values | Function Descriptions  |
|-----------------------------------|-----------------------------------|---|--|
| Spotlight Mode                    | Transparency                      | 0~ <u>4</u> ~6                          | Adjust the transparency of the border in the Spotlight mode using left and right arrow keys. |
|                                   | Step                              | Large/ <u>Medium</u> /Small             | Select the step distance of the spotlight zone using left and right arrow keys.              |
|                                   | V Size                            | 0~ <u>A</u> ~Max                        | Adjust the height of the spotlight zone using left and right arrow keys.                     |
|                                   | H Size                            | 0~ <u>A</u> ~Max                        | Adjust the width of the spotlight zone using left and right arrow keys.                      |
|                                   | Live                              | <u>Activate</u>                         | Press [ENTER] to return to live image.   |



## 6.2.4 Date & Time Setting Menu

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values | Function Descriptions   |
|-----------------------------------|-----------------------------------|---|---|
| Date & Time                       | Year                              | 00-36                                   | Press [ENTER] to modify the values using left and right arrow keys. |
|                                   | Month                             | 01-12                                   | Press [ENTER] to modify the values using left and right arrow keys. |
|                                   | Date                              | 01-31                                   | Press [ENTER] to modify the values using left and right arrow keys. |
|                                   | Hour                              | 00-23                                   | Press [ENTER] to modify the values using left and right arrow keys. |
|                                   | Minute                            | 00-59                                   | Press [ENTER] to modify the values using left and right arrow keys. |

## 6.2.5 Ethernet Setting Menu

| 1 <sup>st</sup> Level Major Items | 2 <sup>nd</sup> Level Minor Items | 3 <sup>rd</sup> Level Adjustment values | Function Descriptions   |
|-----------------------------------|-----------------------------------|---|---|
| Ethernet                          | DHCP                              | <u>On/Off</u>                           | Enable/Disable <b>DHCP</b> using left and right arrow keys.         |
|                                   | IP Address                        | <u>192.168.100.150</u>                  | Press [ENTER] to modify the values using left and right arrow keys. |
|                                   | Netmask                           | <u>255.255.255.0</u>                    | Press [ENTER] to modify the values using left and right arrow keys. |
|                                   | Geteway                           | <u>192.168.100.254</u>                  | Press [ENTER] to modify the values using left and right arrow keys. |

## 6.2.6 Annotation Tools (Annotation)

After the mouse is connected, right click the mouse to start the tools.  
 <Note> When the setting menu is activated, the tools cannot be used.

### ● Icon of Annotation



### ● Main Menu



### ● Free-hand Drawing Tool menu



| Icon | Description                                       |
|------|---|
|      | Expand/Collapse the Annotation menu               |
|      | Open/Close the Free-hand Drawing Tool menu        |
|      | Select the line width                             |
|      | Select pen color                                  |
|      | Clear all   |
|      | Free-hand drawing tool                            |
|      | Draw a line                                       |
|      | Draw a rectangle                                  |
|      | Draw a polygon                                    |
|      | Draw an ellipse                                   |
|      | Eraser<br>(Clear marks of free-hand drawing tool) |

# Chapter 7 Descriptions of major functions

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## 7.1 I would like to automatically adjust the image to have best brightness and focusing performance (Auto Tune)

1. Press [AUTO TUNE] on the **remote control** or **control panel** to adjust automatically.

## 7.2 I would like to switch image sources

The default of image source is **Live Image**. Press **[VGA 1]** on the **remote control** or **control panel** to switch setting, and PS760 as well as audio output will switch among the following four modes in turn:

1. Live images (default)
2. VGA IN(1)
3. VGA IN(2)
4. DVD (C-Video/S-Video)

**<Note> VGA IN mode will be switched to DVD mode automatically in turn when it is not connected to input equipment.**

**<Remark> This button is disabled in C-VIDEO Out mode.**

## 7.3 I would like to set the image source of VGA OUT2

Press [MENU] on the **remote control** or **control panel** to enter the setting menu

1. Press [▶] or [◀] to the [Advanced] menu.
2. Press [▼] to enter [VGA OUT2].
3. Press [◀] or [▶] to select [VGA OUT(1)/VGA IN(1)/VGA IN(2)/DVD].
4. Press [MENU] to exit.

**<Note> VGA IN mode will be switched to DVD mode automatically in turn when it is not connected to input equipment.**

**<Remark> If VGA OUT(1) is connected simultaneously, the audio output will be based on VGA OUT(1).**

## 7.4 I would like to make text clearer and photos more colorful

### 7.4.1 Photo/Text mode descriptions

The default [Photo/Text] mode is in Photo (**Photo mode**). To change this setting, please use the **remote control** or the **control panel** to enter the Options of the Setting Menu.

- [Photo] (default): for viewing photos or text with photos, making photos more colorful.
- [Text]: for viewing text files, making the text clearer.
- [Gray]: for viewing black & white photos which will make the grayscale differentiation distinct.

### 7.4.2 Setting Photo/Text mode

To change the settings, please use the **remote control** or the **control panel**:

1. Press [MENU] to enter the setting menu.
2. Press [▶] or [◀] to select [Display].
3. Press [▼] to select [Photo/Text]. (Please refer to [7.4.1 Photo/Text mode descriptions](#) to make the best choice.)
4. Press [▶] or [◀] to select the [Photo/Text/Gray].
5. Press [MENU] to exit.

## 7.5 I would like to zoom in/out images

1. Press [ZOOM+] on the **remote control** or **control panel** to zoom in images.
2. Press [ZOOM-] on the **remote control** or **control panel** to zoom out images.

## 7.6 I would like to adjust the focal length

### 7.6.1 Auto Tracking

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Display] menu.
3. Press [▼] to [AF button].
4. Press [ENTER] to activate AF button.
5. Press [MENU] to exit.

## 7.6.2 Manual Tracking

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Display] menu.
3. Press [▼] to the [Focus].
4. Press [▶] or [◀] to adjust focal length.
5. Press [MENU] to exit.

## 7.7 I would like to adjust the brightness

1. Use **Remote Control** or **Control Panel** and press [BRT+] to make it brighter.
2. Use **Remote Control** or **Control Panel** and press [BRT-] to make it darker.

## 7.8 I would like to turn on/off the lamp

**The default of the lamp is ON. When using the control panel:**

1. Press [LAMP] to switch ON/OFF. (in the sequence of arm lamp/backlight/OFF)

## 7.9 I would like to freeze images

1. Press [FREEZE] on the **remote control** or **control panel** to freeze the current image on the screen.

## 7.10 I would like to adjust the volume

**<Note> Volume control is intended to control the external audio output equipment only.**

### 7.10.1 Adjust Volume (OSD)

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Setting] menu.
3. Press [▼] to the [Volume].
4. Press [▶] or [◀] to adjust the volume.
5. Press [MENU] to exit.

## 7.10.2 Adjust the volume of the video

- In **PLAYBACK** mode, Press [**▲**] or [**▼**] to adjust the volume of the video.

## 7.11 I would like to capture images

### 7.11.1 Capturing and saving images

1. Press [CAPTURE] on the **remote control** or **control panel** to capture and save images.
- You cannot capture images when the capture mode is set to [Disable]. If it is set to [Continuous], you can capture images continuously. Press [CAPTURE] to start capturing continuously, or press [CAPTURE] again to exit.
- To change the quality of captured images, please refer to [7.11.2 Setting the quality of captured images](#).
- To change the settings of captured images, please refer to [7.11.3 Setting continuous capture](#).

### 7.11.2 Setting the quality of captured images

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [**▶**] or [**◀**] to the [Storage] menu.
3. Press [**▼**] to find [Image Quality].
4. Press [**▶**] or [**◀**] to select among [High/Medium/Low].
5. Press [MENU] to exit.

### 7.11.3 Setting continuous capture

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [**▶**] or [**◀**] to the [Setting] menu.
3. Press [**▼**] to find [Capture Action].
4. Press [**▶**] or [**◀**] to select [continuous].
5. Press [**▼**] to the [Capture Mode].
6. Press [**▶**] or [**◀**] to select [Photo].
7. Press [**▼**] to find [Capture Time]; Press [**▶**] or [**◀**] to select capture time.
8. Press [**▼**] to find [Capture Interval]; Press [**▶**] or [**◀**] to select interval time.
9. Press [MENU] to exit.

## 7.12 I would like to record videos

### 7.12.1 Recording motion images

<Note> You may not be able to capture or record images when [Capture Action] mode is set to [Disable].

**Remote control:**

1. Press [RECORD] to record videos.
2. Record sounds with the built-in microphone of the control panel.
3. Press [RECORD] again to stop recording.

**Control panel:**

1. Press [MENU] to enter the setting menu.
2. Press [▶] or [◀] to the [Setting] menu.
3. Press [▼] to the [Capture Mode].
4. Press [▶] or [◀] to select [Video].
5. Press [MENU] to exit.
6. Press [CAPTURE] to record videos.
7. Press [CAPTURE] again to stop recording.

### 7.12.2 Setting the image quality

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Storage] menu.
3. Press [▼] to find [Image Quality].
4. Press [▶] or [◀] to select among [High/Medium/Low].
5. Press [MENU] to exit.

### 7.12.3 Playing videos

- For playing videos, please refer to [7.13 I would like to view captured/recorded images.](#)

## 7.13 I would like to view captured/recorded images

1. Press [PLAYBACK] on the **remote control** to show the thumbnails of all stored files.
2. Press [▲] or [▼] or [◀] or [▶] to select the thumbnail you want you browse.
3. Press [ENTER] for the full-screen display of the image.
4. Press [▶] or [◀] to select different video and audio files.
5. Press [▲] or [▼] to adjust the volume of the video.

6. Press [MENU] to exit.

**<Note> A better playback performance will be achieved when an external speaker is connected to AUDIO OUT.**

## 7.14 I would like to delete the captured/recorded images

1. Use the **remote control** and press [PLAYBACK].
2. Press [▲] or [▼] or [◀] or [▶] to select the file you want to delete.
3. Pressing [DELETE] will open a [Delete File] window.
4. Press [▶] or [◀] to select [Yes] (The default value is No).
5. Press [ENTER] to delete the selected file.
6. Press [MENU] to exit.

## 7.15 I would like to automatically delete the stored images whenever it is turned off (Auto Erase)

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Storage] menu.
3. Press [▲] or [▼] to [Auto Erase].
4. Press [▶] or [◀] to select [On].
5. Press [MENU] to exit.

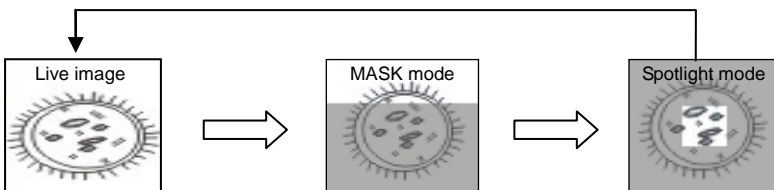
**<Remark> It will automatically delete all captured photos when it is turned off.**

## 7.16 I would like to use the MASK and Spotlight function

### 7.16.1 I would like to use the MASK or Spotlight mode

Use **Remote control**:

1. Press [MASK] to enter the Mask mode, and press [▲], [▼], [◀], or [▶] to move the mask position.
2. Press [MASK] again to enter the Spotlight mode, and press [▲], [▼], [◀], or [▶] to move the zone position.
3. Press [MASK] again to exit and return to the live image screen.





## 7.16.2 I would like to set the size of Mask/Spotlight function

In Mask/Spotlight mode, use the **remote control**:

1. Press [MENU] to enter the image OSD menu.
2. Press [▲] or [▼] to select the item to be modified [Transparency/Step/V Size/H Size]. (For details, please refer to [6.2 Setting Menu.](#))
3. Press [◀] or [▶] to perform the modification.
4. Press [MENU] to exit the image OSD menu and return to the Mask mode.

## 7.17 I would like to enlarge a part of the image (PAN)

Use **Remote control**:

1. Press [PAN] to enter the Partial Enlarged mode.
2. Press [▲], [▼], [◀], or [▶] to move and view the partial enlarged images.
3. Press [PAN] to exit the partial enlarged mode.

## 7.18 I would like to play the slides (Slide Show)

### 7.18.1 Setting delay time

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Storage] menu.
3. Press [▼] to find [Delay].
4. Press [▶] or [◀]] to select image switch mode between [0.5 Sec/1 Sec/3 Sec/5 Sec/10 Sec/Manual].
5. Press [MENU] to exit.

### 7.18.2 Activating/Stopping the slide show

<Note> **Upper Limit: The maximum size of single photo is 7 MB.**

**Remote control:**

1. Press [SLIDE SHOW] to start playing.
2. Press [ENTER] to pause playing.
3. Press [ENTER] again to continue playing.
4. Press [SLIDE SHOW] again to stop playing.

### Control panel:

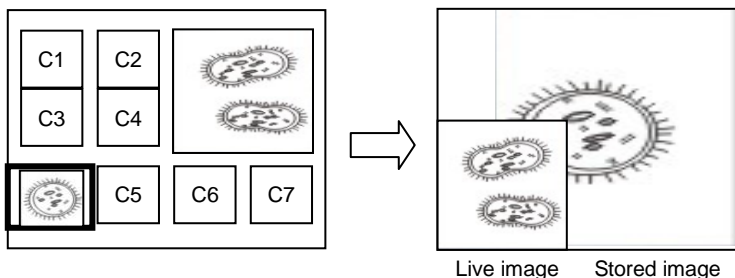
1. Press [MENU] to enter the setting menu.
2. Press [▶] or [◀] to the [Storage] menu.
3. Press [▼] to find [Slide Show].
4. Press [ENTER] to play.
5. Press [ENTER] to pause playing.
6. Press [ENTER] again to continue playing.
7. To stop playing, repeat Steps 1 and 4.

## 7.19 I would like to view the X-ray film

1. Place an X-ray film to be displayed under the camera.
2. Press [Lamp] button on the control panel to switch on the **Backlight** (in the sequence of arm lamp/backlight/OFF)
3. Press [AUTO TUNE] button to optimize the image.

## 7.20 I would like to compare images (compare live images with stored images (PIP))

This function will compare and contrast a live image with a stored image.

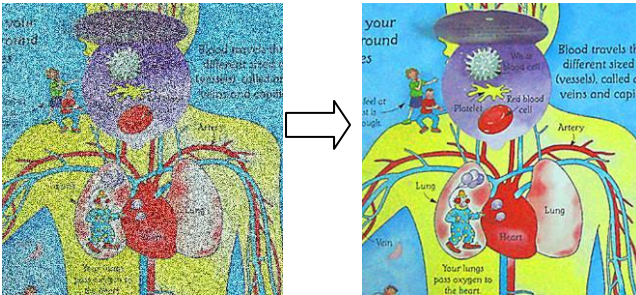


### Remote control:

1. Press [PIP] to enter the photo selection screen.
2. Press [▲], [▼], [◀], or [▶] to select the file to be compared.
3. Press [ENTER] to activate image comparison.
4. Press [▲], [▼], [◀], or [▶] to move the live image.
5. Press [PLAYBACK] to return to image thumbnails and compare it with other images.
6. Press [MENU] to exit.

## 7.21 I would like to reduce the image noise (Projector Type)

1. This function enables Document Camera to automatically clear image noise. The noise is especially obvious when Document Camera is connected to a DLP projector. You can set the DLP projector to improve the image quality.
2. If there is special noise when VGA out is connected, please set DLP option to improve the image quality.



- 2.1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
- 2.2. Press [▶] or [◀] to the [Setting] menu.
- 2.3. Press [▼] to enter [Projector Type].
- 2.4. Press [▶] or [◀] to select [**LCD/DLP**].
- 2.5. Press [MENU] to exit.

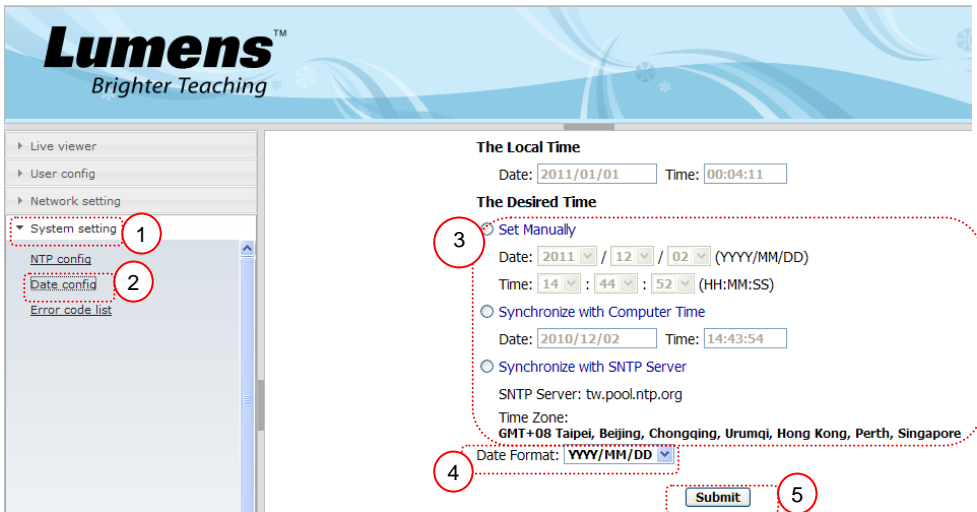
## 7.22 I would like to set the time for PS760

### 7.22.1 If you use the remote control or the control panel

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu. (Refer to [6.2.4 Date & Time Setting Menu of 6.2 Setting Menu.](#))
2. Press [▶] or [◀] to select [Advanced] menu.
3. Press [▼] to the [Date & Time].
4. Press [ENTER] to open the date & time OSD menu.
5. Press [▲] or [▼] to the item to be set [Year/Month/Day/Hour/Minute].
6. Press [▲] or [▼] to modify the value.
7. Press [▶] or [◀] to move to the next item.
8. Press [MENU] to exit the item you have set.
9. Repeat steps 5 through 9 until you have completed the modifications.
10. Press [MENU] to exit OSD menu.

## 7.22.2 To use web remote control

<Remark> For more information about the website login page, please refer to [7.26.1 I would like to view the live image or use the control keys.](#)



1. Click [System setting].
2. Click [Date config].
3. Set the date and time.

<Remark> **Set Manually:** Set the date and time manually.

**Synchronize with Computer Time:** Synchronize time with the PC.

**Synchronize with SNTP Server:** Synchronize time with SNTP server.

4. Select the date format.
5. Click [Submit] to conform and submit.

## 7.23 I would like to lock/unlock keys

Press and hold [AUTO TUNE] on the control panel for 2 seconds to lock keys. To unlock keys, repeat the above procedure.

<Remark> **When the keys are locked, the LED indicator of [ENTER] on the remote control will light up red.**

<Remark> This function applies to the keys of the control panel only. The remote control can still be used. If you use the remote control to turn off the power, the keys will be unlocked automatically after reboot.

## 7.24 I would like to resume the factory default settings (Factory Reset)

### 7.24.1 Using OSD menu

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to select [Advanced] menu.
3. Press [▼] to select [Factory Reset].
4. Press [▶] or [◀] to select [Yes].
5. Press [ENTER] to activate.

### 7.24.2 Use Compound Key

1. Use the **control panel**, and press [ENTER + AUTO TUNE] simultaneously to restore the initial value.

## 7.25 I would like to use a USB disk

1. Insert the USB disk and a [Copy To USB Disk] dialog box will appear, and you are asked whether to copy files from PS760 to the USB disk.
  - Press [▶] or [◀] on the **remote control** or **control panel** to select.



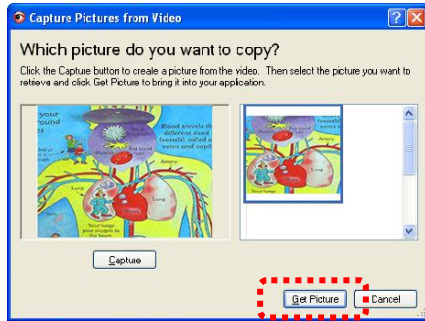
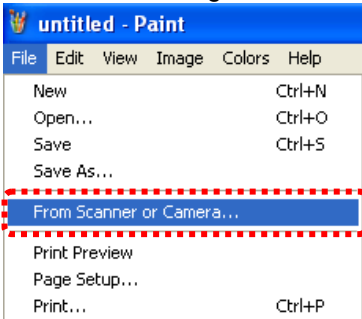
## 7.26 Computer-related functions

Ensure that the USB cable is connected and the software and drivers are installed before using the computer-related functions. Refer to [Chapter 4 Installation and Connections 4.11 Installing application software](#) in this user manual.

## 7.26.1 I would like to insert a photo in MS-Paint

<Remark> Support **Windows XP Operation System only.**

1. Click [File/From Scanner or Camera] in MS-Paint as shown in the bottom left figure.

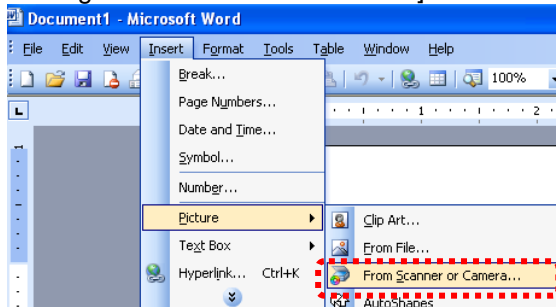


2. Click [Get Picture] will capture the photos of live images and insert the files in use shown as top right figure.

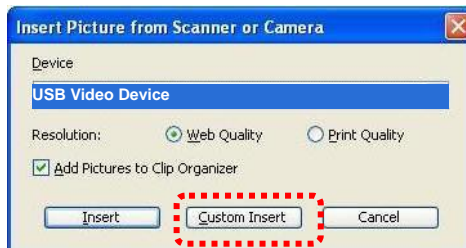
## 7.26.2 I would like to insert a photo in MS-Word

<Remark> Support **Windows XP Operation System only.**

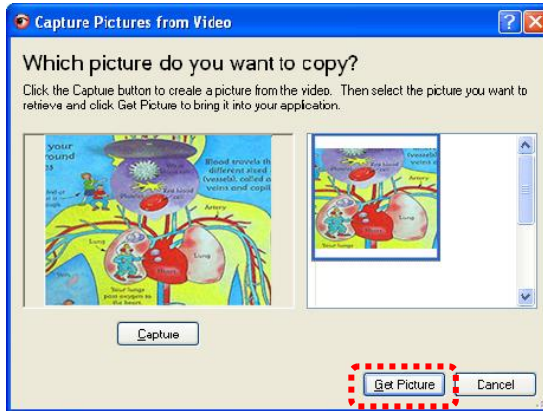
1. Click [Insert/Image/From Scanner or Camera] in **MS-Word**.



2. Select [USB Video Device] and click [Custom Insert].



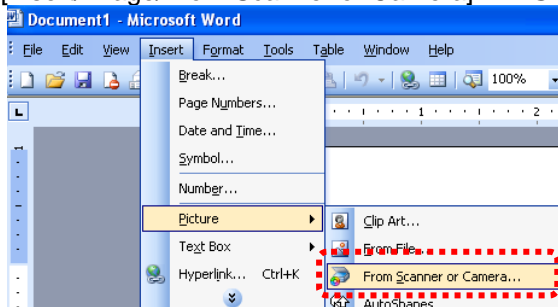
3. Click [Get Picture]. It will capture the photo of live image.



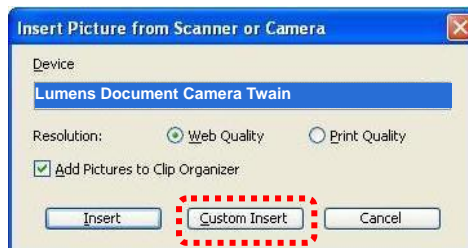
7.26.3 I would like to change the setting of the PS760 and then capture a photo in MS-Word

<Remark> For **Windows Office 2003** or later versions, please use the function with **OneNote**.

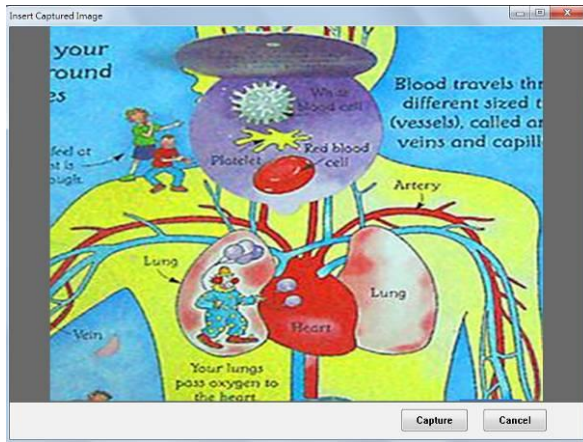
1. Click [Insert/Image/From Scanner or Camera] in **MS-Word**.



2. Select [Lumens Document Camera Twain] and click [Custom Insert].



3. A window showing a live image (see below) will be displayed.



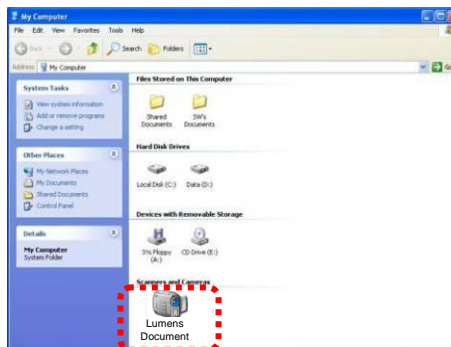
4. Press [Capture] to capture images in **MS-Word**.

5. Press [Cancel] to exit.

#### 7.26.4 I would like to set the PS760 as a PC Camera

<Remark> For Windows XP, please set by system name (USB video device)

Open [My Computer] and click [Lumens Document] to open a live image.



#### 7.26.5 I would like to connect an Interactive Whiteboard

To connect an Interactive Whiteboard, go to Lumens website to download the reference guide for a specific brand.

(<http://www.lumens.com.tw/goto.htm>).



## 7.27 I would like to use the network remote control function

- Network has a longer distance for controlling than USB and RS232 interface do. Each function of PS760 could be controlled and used by the browser (IE) on the computer for users.

### 7.27.1 I would like to view the live images or use the control keys

#### 7.27.1.1 Login to the PS760 network control page

1. Open the web browser (Internet Explorer) and enter the **IP address** in the address bar

<Remark> To check IP address, please refer to [7.26.1.2 I would like to check the network settings](#).

2. Enter the account [admin].
3. Enter the password (default password is [9999]), and then click [OK].

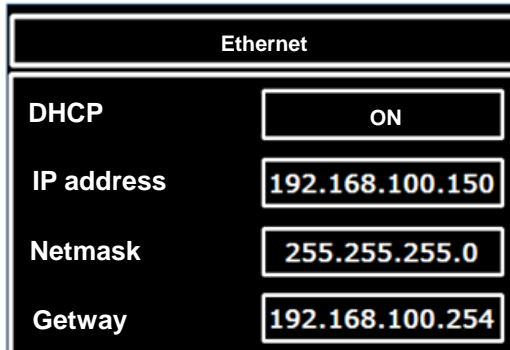


#### 7.27.1.2 I would like to check the network settings

DHCP is enabled by default. Please follow the steps below to check the IP address.

1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.

2. Press [▶] or [◀] to the [Advanced] menu.
3. Press [▲] or [▼] to the [Ethernet].
4. Press [ENTER] to open the Ethernet OSD menu.
5. Press [MENU] to exit OSD menu.



### 7.27.1.3 View the live image

#### A. Use IE browser



1. View the live image.
2. The control method of control keys is the same as that of the remote control. The button will be gray and disabled for users whose permission is view-only.
3. Change the size of live image.

<Remark> For more information about user permissions, please refer to [7.26.2 I would like to add or modify the user account.](#)

## B. Using VLC

<Remark> It is recommended that you download the VLC software and view with it when the number of users is more than four.

Besides, all users must be in the same domain.

VLC is only provided for viewing, no control keys are available.

### 7.27.2 I would like to add or modify the user account

### <Remark> Reference for User Permissions

| User Type                            | Admin | Operator | Viewer    |
|--------------------------------------|-------|----------|-----------|
| Applications                         | IE    | IE       | IE or VLC |
| Account management                   | Y     | N        | N         |
| Operating functions                  | Y     | Y        | N         |
| View images                          | Y     | Y        | Y         |
| Limitation on the number of accounts | 1     | 3        | 5         |

### **7.27.2.1 I would like to add the user account**

1. Click [User config].
2. Click [Account management].
3. Enter the username in the [User Name].
4. Enter the password in the [Password].
5. Enter the password in the [Confirm] again.
6. Set the permissions in the [Authority].
7. Click [Submit] to conform and submit.

### **7.27.2.2 I would like to delete the user account**

1. Click the username in the [User List].
2. Click [Delete User] to delete the user.

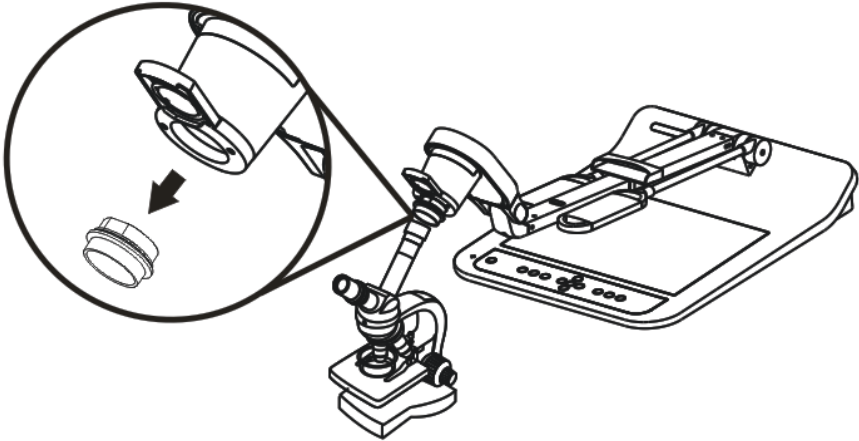
### **7.27.2.3 I would like to modify the user password and permissions**

1. Click the username in the [User List].
2. Enter the old password in the [Old Password].
3. Enter the password in the [Password].
4. Enter the password in the [Confirm] again.
5. Set the permissions in the [Authority].
6. Click [Submit] to conform and submit.

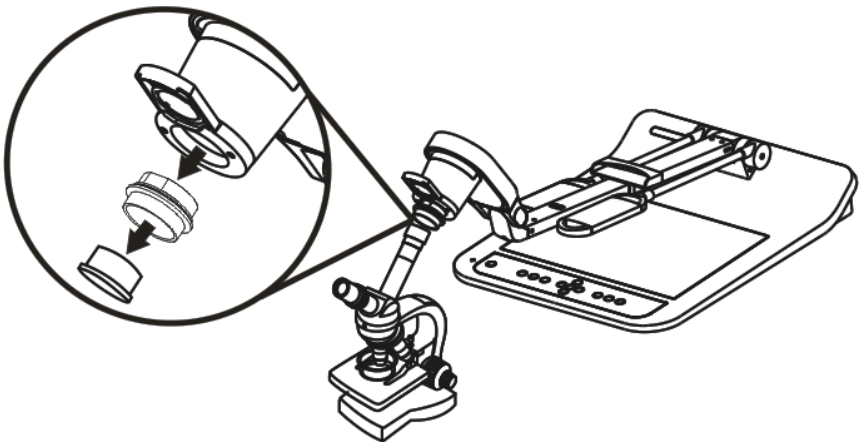
# Chapter 8 Connecting to Microscope

- 1 Mount the **microscope adapter** (Optional) onto the microscope.  
<Note> Please choose an appropriate microscope adapter. Microscope adapter accessories are applicable to eyepieces of  $\varnothing$  28 mm,  $\varnothing$  31 mm,  $\varnothing$  33 mm, and  $\varnothing$  34 mm.
- 2 The lens of PS760 connects with the **microscope adapter**

If the eyepiece is  $\varnothing$  33 mm or  $\varnothing$  34 mm, only **one Lumens microscope adapter** is needed.



If the eyepiece is  $\varnothing$  28 mm or  $\varnothing$  31 mm, you need **two microscope adapters**. (1. The **Lumens microscope adapter**. 2. The **microscope adapter suitable** for the eyepiece size  $\varnothing$  28 mm or  $\varnothing$  31 mm).



### 3 Select the **[Microscope]** mode

#### 3.1. If you use the **remote control** or the **control panel**

- 3.1.1. Press [MENU] to enter the setting menu.
- 3.1.2. Press [▶] or [◀] to the [Display].
- 3.1.3. Press [▼] to select [Mode].
- 3.1.4. Press [▶] or [◀] to the [Microscope].

### 4 If the image is not clear

- 4.1. Please adjust the focus of microscope.
- 4.2. Please press the **remote control** or the **control panel** [AUTO TUNE] button to activate the auto focus.

### 5 Digital Zoom

#### 5.1. If you use the **remote control** or the **control panel**

- 5.1.1. Press [MENU] to enter the setting menu.
- 5.1.2. Press [▶] or [◀] to the [Display].
- 5.1.3. Press [▼] to select [Digital Zoom].
- 5.1.4. Press [▶] or [◀] to the [On].
- 5.1.5. Press [ZOOM +] / [ZOOM -].

**<Note> Please reset to normal mode after using the microscope, otherwise, you are unable to use zoom in/out function.**

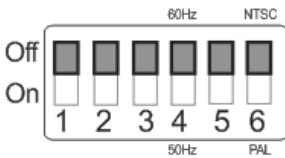
1. Press [MENU] on the **remote control** or **control panel** to enter the setting menu.
2. Press [▶] or [◀] to the [Display].
3. Press [▼] to select [Mode].
4. Press [▶] or [◀] to the [Normal].

# Chapter 9 DIP Switch

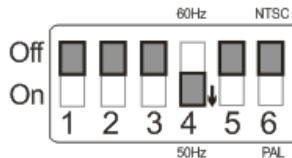
<Note> You should unplug and reconnect the power cord, and then restart the PS760 for all DIP Switch Settings to take effect.

## 9.1 Connecting to a projector or monitor

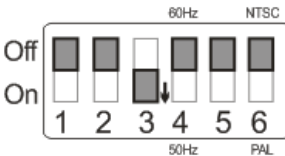
### 9.1.1 XGA 60Hz output (default values)



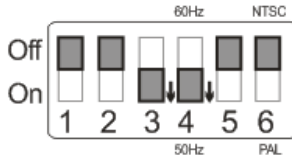
### XGA 50Hz output



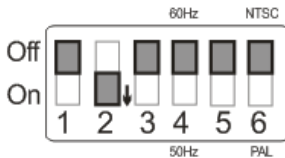
### 9.1.2 SXGA 60Hz output



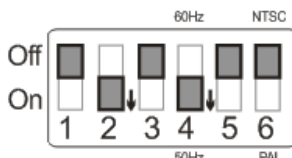
### SXGA 50Hz output



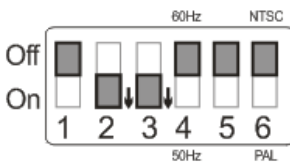
### 9.1.3 WXGA 60Hz output



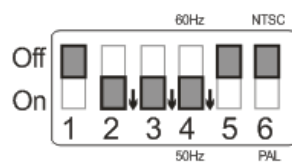
### WXGA 50Hz output



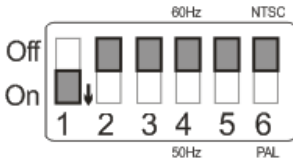
### 9.1.4 UXGA 60Hz output



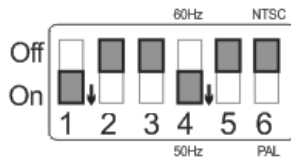
### UXGA 50Hz output



### 9.1.5 1080P 60 Hz output



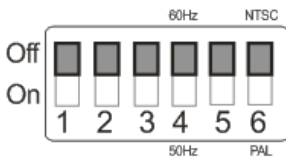
### 1080P 50 Hz output



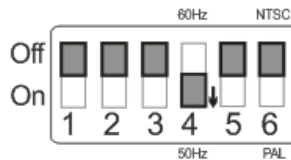
## 9.2 Connecting to a TV/DVD

### 9.2.1 NTSC: USA, Taiwan, Panama, Philippines, Canada, Chile, Japan, Korea, and Mexico.

60Hz

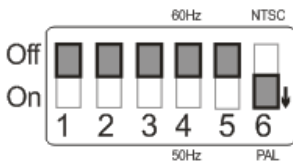


50Hz

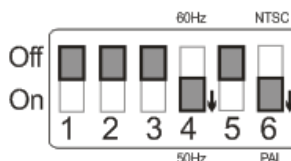


### 9.2.2 PAL: Countries/regions not listed above.

60Hz



50Hz

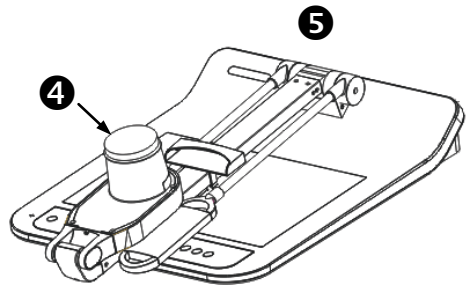
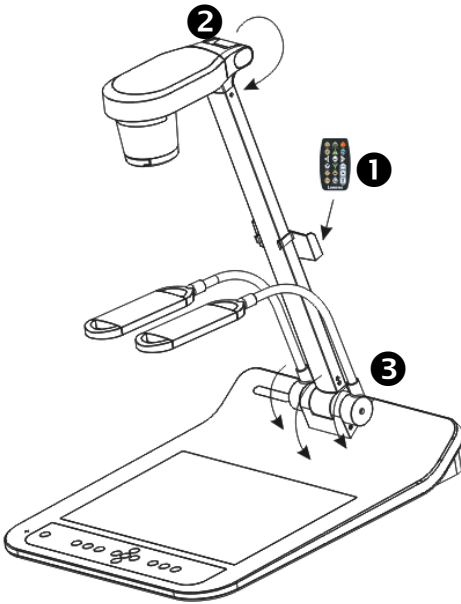




# Chapter 10 Packing the Machine


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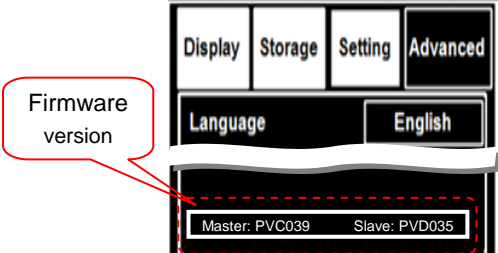
1. Put the remote control back to the holder.
2. Fold back the camera head to align with the arm.
3. Turn the two lamp arms and the arm of camera head down and adjust them to be parallel with the platform.
4. Put the lens cap on the camera head.
5. Finally, fold the machine as in the following figure.



# Chapter 11 Troubleshooting

This chapter describes problems you may encounter while using PS760. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurred, please contact our distributors or service center.

| No. | Problems  | Solutions  |
|-----|---|--|
| 1   | <b>Boot without power signal</b>  | Make sure you have plugged in the power cord.  |
| 2   | <b>No image output from the PS760</b>   | <ol style="list-style-type: none"><li>1. Check the power</li><li>2. Check all cable connections. Refer to <a href="#">Chapter 4 Installation and Connections</a> in this manual.</li><li>3. Check the , refer to <a href="#">PS750 User Manual Chapter 7 Descriptions of major functions 7.2 I would like to switch image sources</a>.</li><li>4. Check the settings for the source of the projector. For the appropriate input selection of the projector, refer to the projectors user manual.</li><li>5. Check if DIP Switch is properly set. Refer to <a href="#">Chapter 9 DIP Switch Settings</a> for related settings.</li></ol> |
| 3   | <b>Unable to focus</b>  | Probably the document is too close. Press [ZOOM-] on the <b>remote control or control panel</b> . Or pull away the distance between document and lens, then press [AUTO TUNE].   |
| 4   | <b>The image is incomplete</b>  | Check the Auto Image setting of your projector. Please refer to the user manual of the projector or check for the DIP SWITCH settings.   |
| 5   | <b>Forget the password for turning on</b>   | Please contact your distributor or the service center.   |
| 6   | <b>Lumens Document Camera, Lumens™ and other applications cannot be used simultaneously</b> | <b>Lumens Document Camera, Lumens™</b> and other applications cannot be executed simultaneously. Only one application can be executed at a time. Please close the currently running applications and then execute the application to be used.  |
| 7   | <b>When the unit is turned on, the auxiliary floodlight do not light</b>                    | Please make sure the arm lamp is set to [OFF]. For the switch-on or -off of arm lamp, refer to <a href="#">PS750 User Manual Chapter 7 Descriptions of major functions 7.8 I would like to turn on/off the lamp</a> .  |
| 8   | <b>PS760 fails to store images or react</b>   | <ol style="list-style-type: none"><li>1. Check to see if the stored data have reached the maximum size of the USB device (priority) or internal memory.</li><li>2. Please make sure if the Capture function is set to Continuous mode or the time for capture is set to be</li></ol>   |

|    |   |   |
|----|---|---|
|    |   | long. For the related setting, refer to <a href="#">7.11 I would like to capture images of Chapter 7 Descriptions of major functions.</a>   |
| 9  | The images outputted from PS760 are too bright, dark or vague       | Press [AUTO TUNE] to automatically adjust to the optimal brightness and focal length.   |
| 10 | Unable to record images   | <ol style="list-style-type: none"> <li>1. Check to see if the stored data have reached the maximum size of the USB disk (priority) or internal memory.</li> <li>2. Please confirm the rotation angle. You may not able to record when the image is rotated by 90°/270°.</li> </ol>  |
| 11 | The operating steps in the manual are not applicable to the machine | <p>The operating steps in the manual may be not applicable to the machine due to improvement in functions. Check to see if the Firmware version of your machine is up-to-date.</p> <ol style="list-style-type: none"> <li>1 Please go to Lumens official website to check whether the latest version is available for update.<br/><a href="http://www.lumens.com.tw">http://www.lumens.com.tw</a></li> <li>2 The steps to check the FW version are as below: <ol style="list-style-type: none"> <li>2.1 Press [MENU] on the remote control or control panel to enter the setting menu.</li> <li>2.2 Press [▶] or [◀] to select [Advanced] menu.</li> </ol> </li> </ol>  <p>If you are not sure whether it is the latest version, please consult your dealer for advice.<br/><a href="http://www.lumens.com.tw/tw/support-cf.asp">http://www.lumens.com.tw/tw/support-cf.asp</a></p> |
| 12 | Unable to login to the network control page                         | <p>If DHCP is enabled, the IP address may not be updated. Please follow the steps below:</p> <ol style="list-style-type: none"> <li>1 Press [MENU] on the <b>remote control</b> or <b>control panel</b> to enter the setting menu.</li> <li>2 Press [▶] or [◀] to the [Advance] menu.</li> <li>3 Press [▲] or [▼] to the [Ethernet].</li> <li>4 Press [ENTER] to open the Ethernet OSD menu.</li> <li>5 Press [▼] to find [DHCP].</li> <li>6 Press [ENTER] to modify it.</li> <li>7 Press [▲] or [▼] to select [On].</li> <li>8 Press [MENU] to exit the Ethernet OSD menu.</li> <li>9 Repeat steps 3 ~ 4 and check IP address.</li> </ol>  |

|    |   |  |
|----|---|--|
| 13 | <b>The images outputted are not clear, and the moire appears.</b> | Please refer to the manual ( <a href="#">Attachment 1</a> ), confirm the voltage frequency and reset it according to <a href="#">Chapter 9 DIP Switch Settings</a> |
|----|---|--|

# Attachment 1

## World voltage & frequency

| Region/Country |                     | Frequency | Region/Country |                   | Frequency | Region/Country |             | Frequency |
|----------------|---------------------|-----------|----------------|-------------------|-----------|----------------|-------------|-----------|
| Chinese        | English             |           | Chinese        | English           |           | Chinese        | English     |           |
| 阿富汗            | Afghanistan         | 50        | 大陸             | China             | 50        | 關島             | Guam        | 60        |
| 阿爾及利亞          | Algeria             | 50        | 哥倫比亞           | Colombia          | 60        | 石榴島            | Grenada     | 50        |
| 安哥拉            | Angola              | 50        | 剛果             | Congo             | 50        | 瓜地馬拉           | Guatemala   | 60        |
| 安地瓜            | Antigua             | 50        | 哥斯大黎加          | Costa Rica        | 60        | 幾內亞            | Guinea      | 50        |
| 阿根廷            | Argentina           | 50        | 古巴             | Cuba              | 60        | 蓋亞納            | Gayana      | 50        |
| 澳洲             | Australia           | 50        | 塞浦路斯           | Cyprus            | 50        | 海地             | Haiti       | 60        |
| 奧地利            | Austria             | 50        | 捷克             | Czechoslovakia    | 50        | 夏威夷            | Hawaii      | 60        |
| 亞述爾            | Azores              | 50        | 達荷美            | Dahomey           | 50        | 宏都拉斯           | Honduras    | 60        |
| 巴哈馬            | Bahamas             | 60        | 丹麥             | Denmark           | 50        | 香港             | Hong Kong   | 50        |
| 巴林             | Bahrain             | 60        | 多明尼加           | Dominican         | 60        | 匈牙利            | Hungary     | 50        |
| 孟加拉            | Bangladesh          | 50        | 杜拜             | Dubai             | 50        | 冰島             | Ice land    | 50        |
| 巴貝多            | Babados             | 50        | 厄瓜多爾           | Ecuador           | 60        | 印度             | India       | 50        |
| 比利時            | Belgium             | 50        | 埃及             | Egypt             | 50        | 印尼             | Indonesin   | 50        |
| 百慕達            | Bermuda             | 60        | 薩爾瓦多           | El Salvador       | 60        | 伊朗             | Iran        | 50        |
| 玻利維亞           | Bolivia             | 50        | 赤道幾內亞          | Equatorial Guinea | 50        | 伊拉克            | Iraq        | 50        |
| 波札那            | Botswana            | 50        | 衣索匹亞           | Ethiopia          | 50        | 愛爾蘭            | Ireland     | 50        |
| 巴西             | Brazil              | 50<br>60  | 法羅群島           | Faeroe Island     | 50        | 曼島             | Isle of Man | 50        |
| 保加利亞           | Bulgaria            | 50        | 斐濟             | Fiji              | 50        | 以色列            | Israel      | 50        |
| 緬甸             | Burma               | 50        | 芬蘭             | Finland           | 50        | 義大利            | Italy       | 50        |
| 蒲隆地            | Burundi             | 50        | 法國             | France            | 50        | 象牙海岸           | Ivory Coast | 50        |
| 高棉             | Cambodia            | 50        | 蓋亞那            | French Guiana     | 50        | 牙買加            | Jamaica     | 50        |
| 喀麥隆            | Cameroon            | 50        | 加彭             | Gabon             | 50        | 日本             | Japan       | 50<br>60  |
| 加拿大            | Canada              | 60        | 甘比亞            | Gambia            | 50        | 約旦             | Jordan      | 50        |
| 康那利群島          | Canary Island       | 50        | 德國             | Germany           | 50        | 肯亞             | Kenya       | 50        |
| 中非共和國          | Central Africa Rep. | 50        | 迦納             | Ghana             | 50        | 韓國             | Korea       | 60        |
| 錫蘭             | Ceylon              | 50        | 直布羅陀           | Gibraltar         | 50        | 科威特            | Kuwait      | 50        |
| 查德             | Chad                | 50        | 大不列顛           | Great Britain     | 50        | 黎巴嫩            | Lebanon     | 50        |
| 海峽群島           | Channel Island      | 50        | 希臘             | Greece            | 50        | 賴索托            | Lesotho     | 50        |

| Region/Country |                | Frequency | Region/Country |                   | Frequency | Region/Country |                | Frequency |
|----------------|----------------|-----------|----------------|-------------------|-----------|----------------|----------------|-----------|
| Chinese        | English        |           | Chinese        | English           |           | Chinese        | English        |           |
| 智利             | Chile          | 50        | 格陸蘭            | Greenland         | 50        | 賴比瑞亞           | Liberia        | 60        |
| 利比亞            | Libya          | 50        | 阿曼             | Oman              | 50        | 敘利亞            | Syria          | 50        |
| 盧森堡            | Luxembourg     | 50        | 巴基斯坦           | Pakistan          | 50        | 大溪地            | Tahiti         | 60        |
| 澳門             | Macao          | 50        | 巴拿馬            | Panama            | 60        | 中華民國           | R.O.C. Taiwan  | 60        |
| 馬得拉群島          | Madeiral       | 50        | 巴拉圭            | Paraguay          | 50        | 坦尚尼亞           | Tanzania       | 50        |
| 馬約卡島           | Majokca Island | 50        | 秘魯             | Peru              | 60        | 泰國             | Thailand       | 50        |
| 馬拉加西           | Malagasy       | 50        | 菲律賓            | Philippines       | 60        | 多哥共和國          | Togo Rep.of    | 50        |
| 馬拉威            | Malawi         | 50        | 波蘭             | Poland            | 50        | 東加             | Tonga          | 50        |
| 馬來西亞           | Malaysia       | 50        | 葡萄牙            | Portugal          | "         | 千里達            | Trinidad       | 60        |
| 馬利             | Mali Rep.      | 50        | 波多黎各           | Puerto Rico       | 60        | 他巴哥            | Tobago         | 60        |
| 馬爾他            | Malta          | 50        | 科托             | Qatar             | 50        | 突尼西亞           | Tunisia        | 50        |
| 馬丁尼克島          | Martinique     | 50        | 羅德西亞           | Rhodesia          | 50        | 土耳其            | Turkey         | 50        |
| 茅里塔尼亞          | Mauritania     | 50        | 羅馬尼亞           | Romania           | 50        | 烏干達            | Uganda         | 50        |
| 模里西斯           | Mauritius      | 50        | 盧安達            | Rwanda            | 50        | 美國             | USA.           | 60        |
| 墨西哥            | Mexico         | 60        | 沙烏地阿拉伯         | Saudi Arabia      | 50<br>60  | 蘇聯             | USSR           | 50        |
| 摩那哥            | Monaco         | 50        | 蘇格蘭            | Scotland          | 50        | 英國             | United Kingdom | 50        |
| 蒙特色納島          | Montserrat     | 60        | 塞內加爾           | Senegal           | 50        | 上伏塔            | Upper Volta    | 50        |
| 摩洛哥            | Morocco        | 50        | 獅子山            | Sierra Leone      | 50        | 烏拉圭            | Uruguay        | 50        |
| 莫桑鼻克           | Mozambique     | 50        | 新加坡            | Singapore         | 50        | 委內瑞拉           | Venezuela      | 60        |
| 尼泊爾            | Nepal          | 50        | 索馬利亞           | Somalia           | 50        | 越南             | Viet-Nam       | 50        |
| 荷蘭             | Netherlands    | 50        | 南非共和國          | South Africa Rep. | 50        | 維爾京群島          | Virgin Island  | 60        |
| 新蘇格蘭           | New Caledonia  | 50        | 西班牙            | Spain             | 50        | 西薩摩亞           | Western Samoa  | 50        |
| 紐西蘭            | New Zealand    | 50        | 斯里蘭卡           | Sri Lanka         | 50        | 葉門亞丁           | Yeman(Aden)    | 50        |
| 尼加拉瓜           | Nicaragua      | 60        | 蘇丹             | Sudan             | 50        | 葉門阿拉伯          | Yemen(Arab)    | 50        |
| 尼日             | Niger          | 50        | 蘇利南            | Surinam           | 60        | 南斯拉夫           | Yugoslavia     | 50        |
| 奈及利亞           | Nigeria        | 50        | 史瓦濟蘭           | Swaziland         | 50        | 薩伊共和國          | Zaire Rep. of  | 50        |
| 挪威             | Norway         | 50        | 瑞典             | Sweden            | 50        | 尚比亞            | Zambia         | 50        |
| 琉球             | Okinawa        | 60        | 瑞士             | Switzerland       | 50        |                |                |           |

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<http://aubethermostatmanual.com>

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<http://golfingnear.com>

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