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1. Introduction

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

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

2. System Requirements

Windows XP

- Min CPU: Intel Core 2 Duo 2GHz and above
- Min Memory: 1GB RAM
- Supporting Direct X 9
- Min Screen Resolution: 1024 x 768
- Min Hard Drive Space: 1GB
- Windows XP SP2 and above

Windows Vista / 7 / 8

- Min CPU: Intel Core 2 Duo 2GHz and above
- Min Memory: 1 GB (32-bits)/2 GB (64-bits) RAM
- Supporting Direct X 9 (with WDDM 1.0 or higher)
- Min Resolution: 1024 x 768
- Min Hard Drive Space: 1GB
3. Install Ladibug™

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] to restart the computer.
4. Connection to the Hardware

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

4.1. Connect the power cord of the Visual Presenter.

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

4.2. Connect USB cable to the Visual Presenter and your computer.

5. Start to Use Ladibug™

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

5.2. Click [POWER] icon to power on.

5.3. Click [PREVIEW] icon to start to use.
6. Operation Interface Description

6.1 Software screen introduction

1. Live image
2. Main menu
3. Thumbnail window
4. File management function menu
6.2 Thumbnail (Saved image window)

1. OFF/ON Thumbnail
2. Thumbnail image of saved video or captured image (It will be displayed as a video if it is a video)
3. Save the image/video which has been edited
4. Save as a new file
5. Change the storage folder
6. Delete a file
7. Send the captured image by E-mail
### 6.3 Main menu

<table>
<thead>
<tr>
<th>Icon</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><strong>POWER:</strong> Turn on/off the Visual Presenter.</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td><strong>LAMP:</strong> Turn on/off the lamp.</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td><strong>AUTO TUNE:</strong> Automatically adjust the image to have the best brightness and focusing performance.</td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td><strong>PREVIEW:</strong> Display live images.</td>
</tr>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td><strong>OPTIONS:</strong> Select video compression method and the audio source. Please refer to <a href="#">6.6 Options</a> for the setting screen.</td>
</tr>
<tr>
<td><img src="image6.png" alt="Image" /></td>
<td><strong>BRIGHTNESS:</strong> Adjust the brightness of the image.</td>
</tr>
<tr>
<td><img src="image7.png" alt="Image" /></td>
<td><strong>ZOOM:</strong> Increase or decrease the image size.</td>
</tr>
<tr>
<td><img src="image8.png" alt="Image" /></td>
<td><strong>MAIN:</strong> Launch the main functions menu. Right click on this icon to show information about the Ladibug™.</td>
</tr>
<tr>
<td><img src="image9.png" alt="Image" /></td>
<td><strong>CAMERA SETTING:</strong> Launch the Camera Settings window to adjust live images. Please refer to <a href="#">6.5 Camera Settings</a> for the setting screen.</td>
</tr>
<tr>
<td><img src="image10.png" alt="Image" /></td>
<td><strong>FREEZE:</strong> Freeze the live image.</td>
</tr>
<tr>
<td><img src="image11.png" alt="Image" /></td>
<td><strong>ANNOTATION:</strong> Open annotation tools. Please refer to <a href="#">6.4 Annotation</a>.</td>
</tr>
<tr>
<td><img src="image12.png" alt="Image" /></td>
<td><strong>Spotlight Mode:</strong> Open the spotlight mode. Please refer to <a href="#">7.11 I would like to use the spotlight mode</a>.</td>
</tr>
<tr>
<td><img src="image13.png" alt="Image" /></td>
<td><strong>TIME LAPSE CAPTURE:</strong> Use the burst mode and adjust the interval of automatic image capturing. Please refer to <a href="#">7.4 I would like to capture images continuously</a>.</td>
</tr>
<tr>
<td><img src="image14.png" alt="Image" /></td>
<td><strong>RECORD:</strong> Record the video.</td>
</tr>
<tr>
<td><img src="image15.png" alt="Image" /></td>
<td><strong>CAPTURE:</strong> Capture the image.</td>
</tr>
</tbody>
</table>
6.4 Annotation Tools

- Click to open annotation tools.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pointer tool</td>
<td></td>
</tr>
<tr>
<td>Laser tool</td>
<td></td>
</tr>
<tr>
<td>Insert text</td>
<td></td>
</tr>
<tr>
<td>Eraser (Clear marks of free-hand drawing tool)</td>
<td></td>
</tr>
<tr>
<td>Draw a line</td>
<td></td>
</tr>
<tr>
<td>Draw an ellipse</td>
<td></td>
</tr>
<tr>
<td>Draw a rectangle</td>
<td></td>
</tr>
<tr>
<td>Delete</td>
<td></td>
</tr>
<tr>
<td>Free-hand drawing tool</td>
<td></td>
</tr>
<tr>
<td>Back</td>
<td></td>
</tr>
<tr>
<td>Next</td>
<td></td>
</tr>
<tr>
<td>Clear all</td>
<td></td>
</tr>
<tr>
<td>Select the pen color</td>
<td></td>
</tr>
<tr>
<td>Select the line width</td>
<td></td>
</tr>
<tr>
<td>Select the transparency</td>
<td></td>
</tr>
<tr>
<td>Select the font</td>
<td></td>
</tr>
<tr>
<td>Select the font size</td>
<td></td>
</tr>
</tbody>
</table>
- Click the inverted triangle symbol on the drawing object

<table>
<thead>
<tr>
<th>Action</th>
<th>Keyboard Shortcut</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duplicate</td>
<td>Ctrl+D</td>
<td>Make a duplicate copy of the drawing object</td>
</tr>
<tr>
<td>Cut</td>
<td>Ctrl+X</td>
<td>Cut the drawing object</td>
</tr>
<tr>
<td>Copy</td>
<td>Ctrl+C</td>
<td>Copy the drawing object</td>
</tr>
<tr>
<td>Paste</td>
<td>Ctrl+V</td>
<td>Paste the drawing object</td>
</tr>
<tr>
<td>Delete</td>
<td>Del</td>
<td>Delete the drawing object</td>
</tr>
<tr>
<td>Bring to Front</td>
<td></td>
<td>Bring the drawing object to the front</td>
</tr>
<tr>
<td>Send to Back</td>
<td></td>
<td>Bring the drawing object to the back</td>
</tr>
<tr>
<td>Bring Forward</td>
<td></td>
<td>Bring the drawing object forward</td>
</tr>
<tr>
<td>Send Backward</td>
<td></td>
<td>Bring the drawing object backward</td>
</tr>
</tbody>
</table>

- Right-click on a blank area of the screen

<table>
<thead>
<tr>
<th>Action</th>
<th>Keyboard Shortcut</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paste</td>
<td>Ctrl+V</td>
<td>Paste the drawing object</td>
</tr>
<tr>
<td>Select All</td>
<td>Ctrl+A</td>
<td>Select all the drawing objects</td>
</tr>
<tr>
<td>Clear All</td>
<td></td>
<td>Clear all the drawing objects</td>
</tr>
</tbody>
</table>
6.5 Camera Settings

Control the live image via the **Camera Settings** interface. The operating procedure is the same as the control panel and remote control of the Visual Presenter. Refer to the Visual Presenter user manual for more information.

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

6.5.1 Click  to open Camera Settings interface.

6.5.2 Applicable to other types except DC120 and DC125, such as DC266, DC190….

- **Case 1**

- **Case 2**
6.6 Options

Click to open Options Menu.

1. **Factory Reset**: Activate the factory reset.
2. **Language**: Set the language.
3. **Video Compression Type**: Set the recording format.
   
   <Note> You need to enable the [Enable Video Compress] before setting in Windows OS.

   4. **Enable Audio Recorder**: Enable the audio record device and set the audio source.

   5. **Software Mode**:
      - **Normal mode**: All functions are available.
      - **Live mode**: Better performance without the functions of annotation, spotlight, and mask.
6.7 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.
7. Function Descriptions

7.1 Turn on/off the Visual Presenter

- Click to turn on/off the power.

<Note> When the machine is turned on, the light will flash. After shutdown, you cannot restart it before the light finishes flashing.

7.2 I would like to display a live image

- Click to display the live image.

7.3 I would like to capture images

- Click to capture images.

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

7.4 I would like to capture images continuously

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

<Note> Refer to 6.7 Time Lapse for more information about Time Lapse setting.

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

7.5 I would like to freeze the live image

- Click to freeze the live image of Ladibug™.

- Click once again to lift the freeze.
7.6 I would like to annotate the displayed image

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

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

- Select the pen color.

- Select the line width.

- Select the transparency.

- Mark or annotate the displayed image.

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

<Remark> You can add annotation when recording but cannot save it.
7.7 I would like to add textual annotation to images

- Click to open the annotation tools.
- Select .

- Click the screen to display the [Text Tool] window.
- Enter text in the blank area and press [OK].
- Click the object and select the color of text.
- Click the object and select the transparency.
Click the object and select the font and font size.

Arial 24

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

7.8 I would like to adjust the drawing object

- Rotate the direction of the object: Click the object and move it to the green point on the screen. Press and hold the left mouse button, and move to left and right to rotate the object.
- Change the size of the object: Click the object and move it to the white point on the screen. Press and hold the left mouse button to adjust the size of the object.
- Click the object, and click the “inverted triangle” icon on the top right of the object or right-click on the object to open the operation menu. Please refer to 6.4 Annotation for more information about the menu.

7.9 I would like to record videos

- Click to open the recording tool.

**Note** Click to open the setting window of video format and audio source. Please refer to 6.6 Options for more information.

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

**Remark** You can add annotation when recording but cannot save it.

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.
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.
- Click to modify the transparency of the block.
- Click to close the spotlight mode.

7.12 I would like to manage saved image files

7.12.1 Save as a new file

- First, double-click the picture in the “Thumbnail” window on the left side of the screen.
- Click [Save as] to display the “Save image” window.
- Enter the “file name” and click [Save] to finish saving.

7.12.2 Change the location of file access

- Click [Directory] to display the “Browse Folder” window.
- After selecting the location of the folder, click [Confirm] to change the folder where the pictures will be saved next time.

7.12.3 Delete a file

- First, click the picture in the “Thumbnail” window on the left side of the screen.
- Click [Delete] to delete the file.

7.12.4 Send out the files by E-mail

- First, click the picture in the “Thumbnail” window on the left side of the screen.
- Click [E-mail] to open a new E-mail.
8. Troubleshooting

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

Solution:
1. Remove the Ladibug™, and then restart the computer.
2. Re-install the Ladibug™.

8.2. Question: When the Ladibug™ is run, no image is displayed and a Ladibug error message occurs:
“System video limitation reached. Please refer to the troubleshooting section of the Ladibug user’s manual.”

Solution:
1. Please check if you are using an extended desktop (two monitors) hooked up to the computer. If so, please try to move the Ladibug™ shortcut to the extended desktop (the second monitor) and launch it; Skip to step 5 if you are not using an extended desktop.
2. If step 1 still does not work, please turn off extended desktop.
3. If step 2 still does not work, please reduce the resolution of the screen.
4. If step 3 still does not work, please re-install Ladibug™ software.

8.3. Question: Screen flicker occurs during the use of Ladibug™ through connection to DC-A11

Solution:
1. Please change the setting of antivirus software. Do not use Ladibug™ until firewall has been disabled.