

LampScan

User Manual

LampScan

Version: V1.00

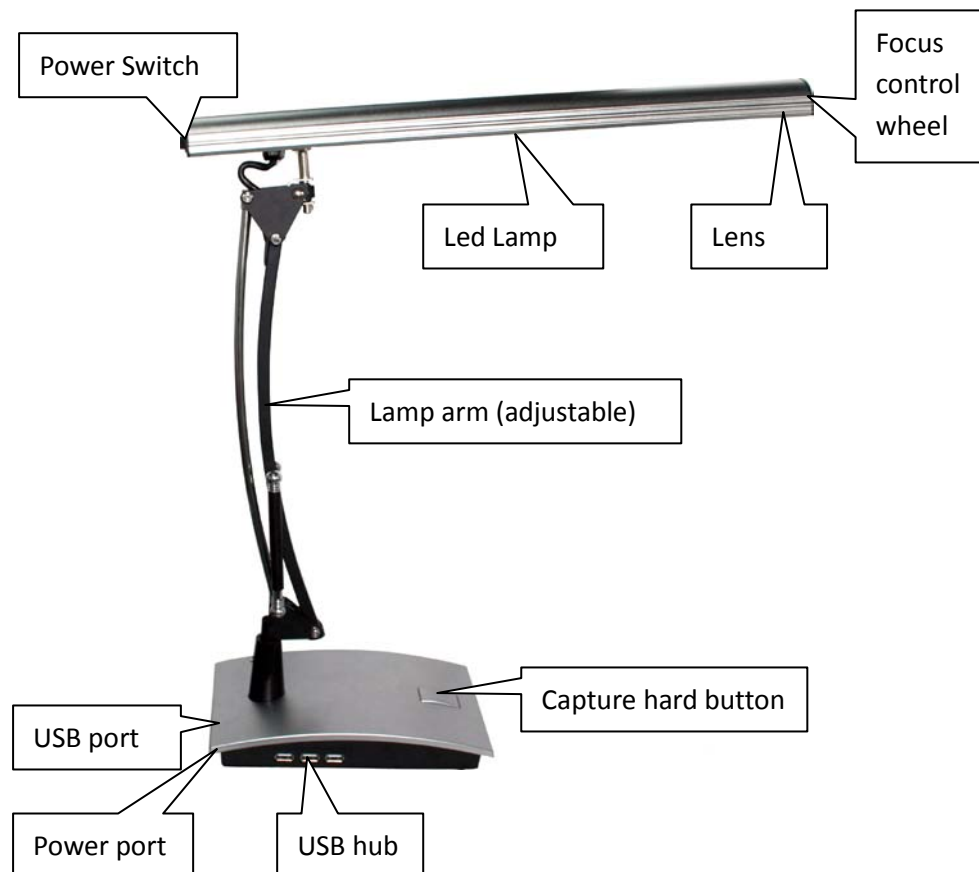
Mar 2011

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1. Getting Start

1.1 Introduce LampScan



1.2 Unpack LampScan



LampScan



CD



User Manual



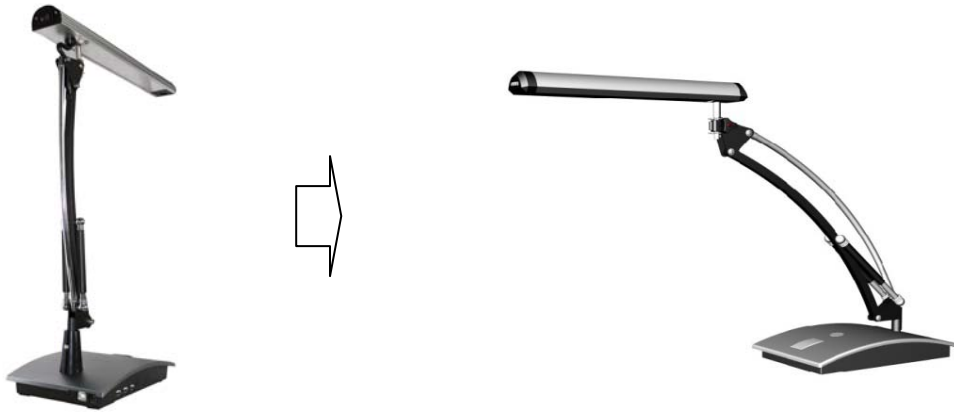
Power Adapter



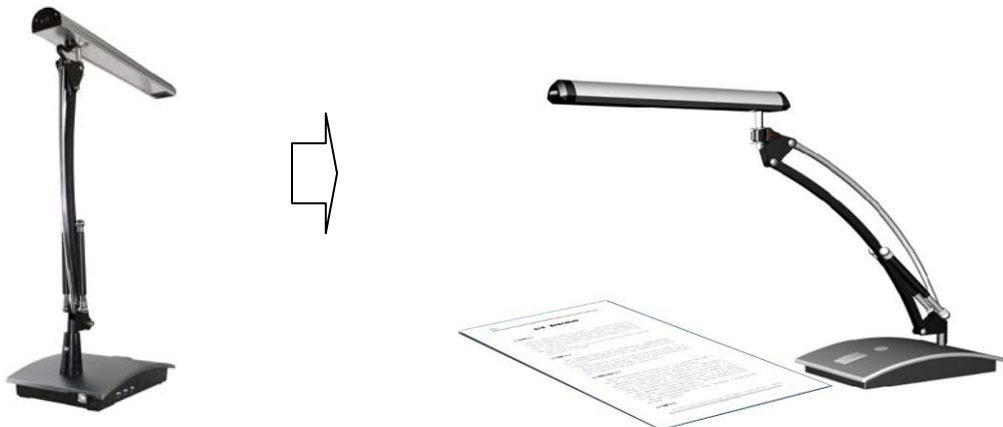
USB cable (A to B)

1.3 Set up LampScan

Use for Led Lamp



Use for scan

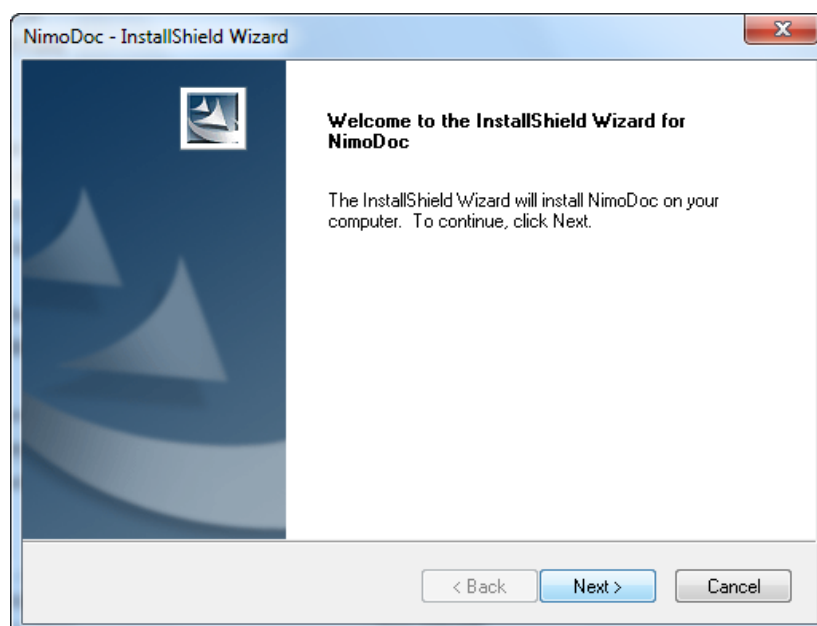
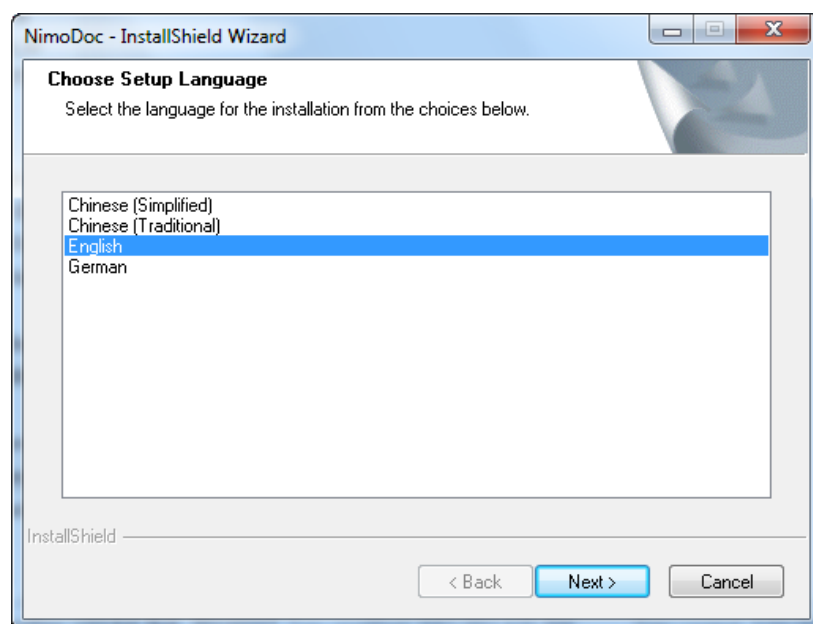


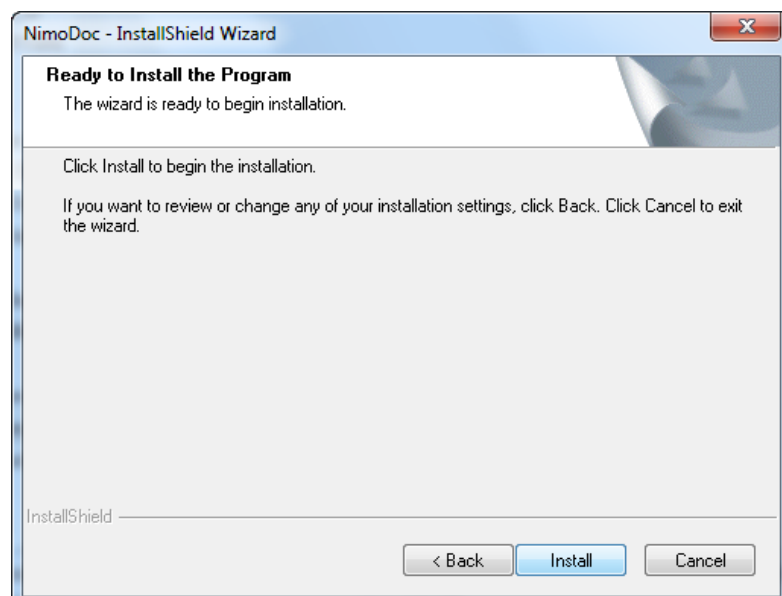
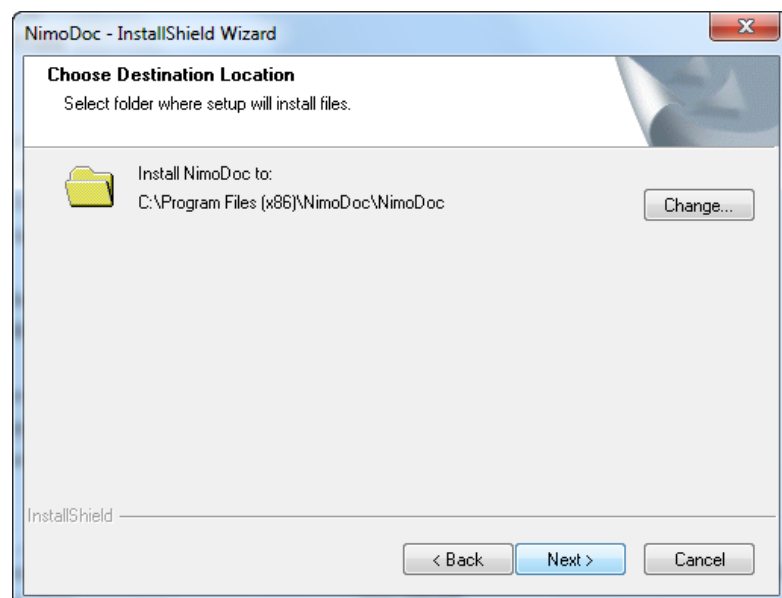
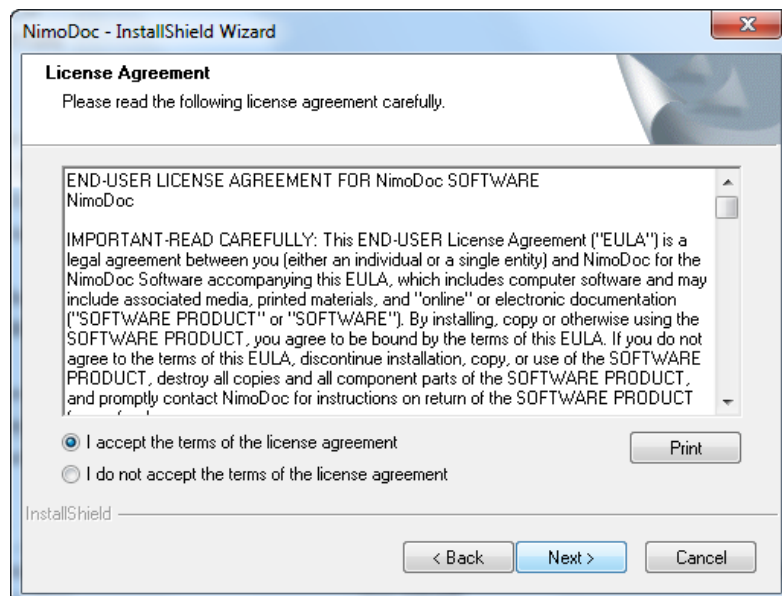
1.4 Install Software

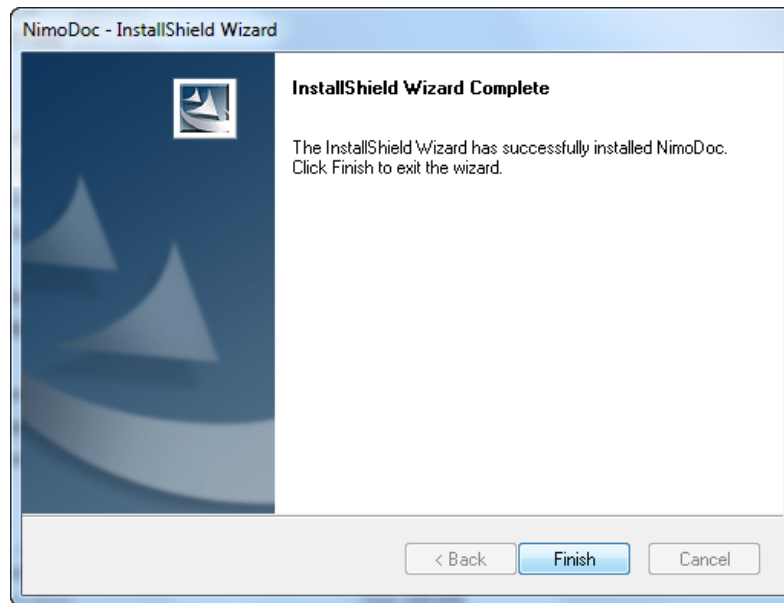
Before the installation, please check system requirements:

- * Pentium 4 1.6 CPU or higher
- * 512 MB RAM or more
- * 200 MB hard disc space
- * Windows XP-SP2 / Vista / Windows 7 (32/64 bit)

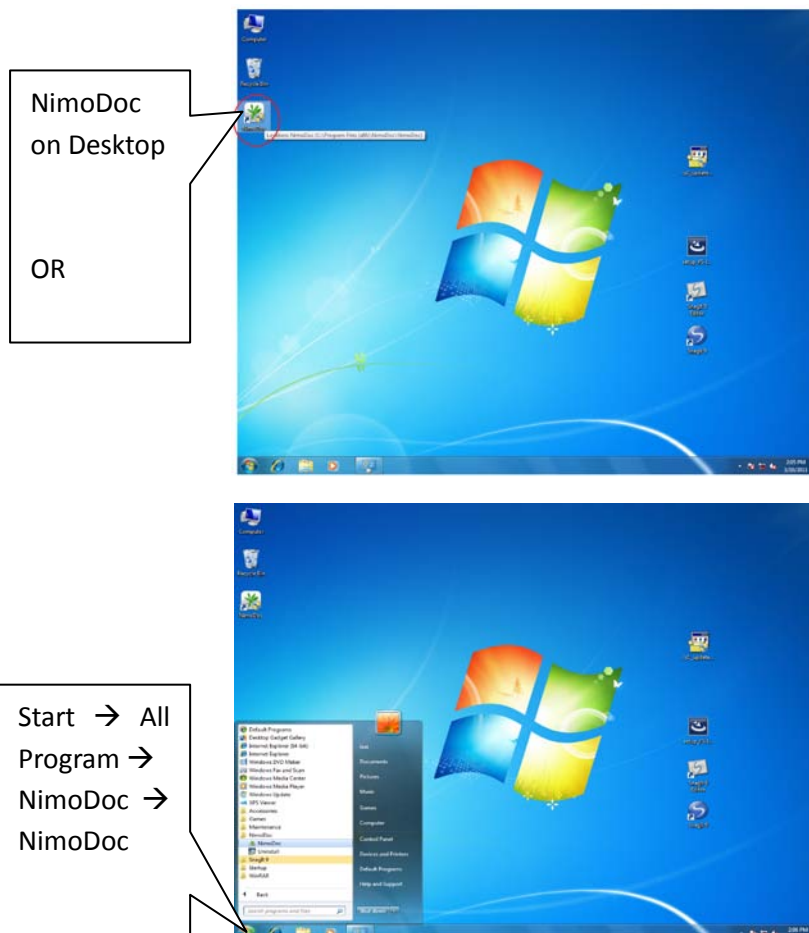
Next, insert the LampScan CD into your CD/DVD ROM and follow the screen instructions:







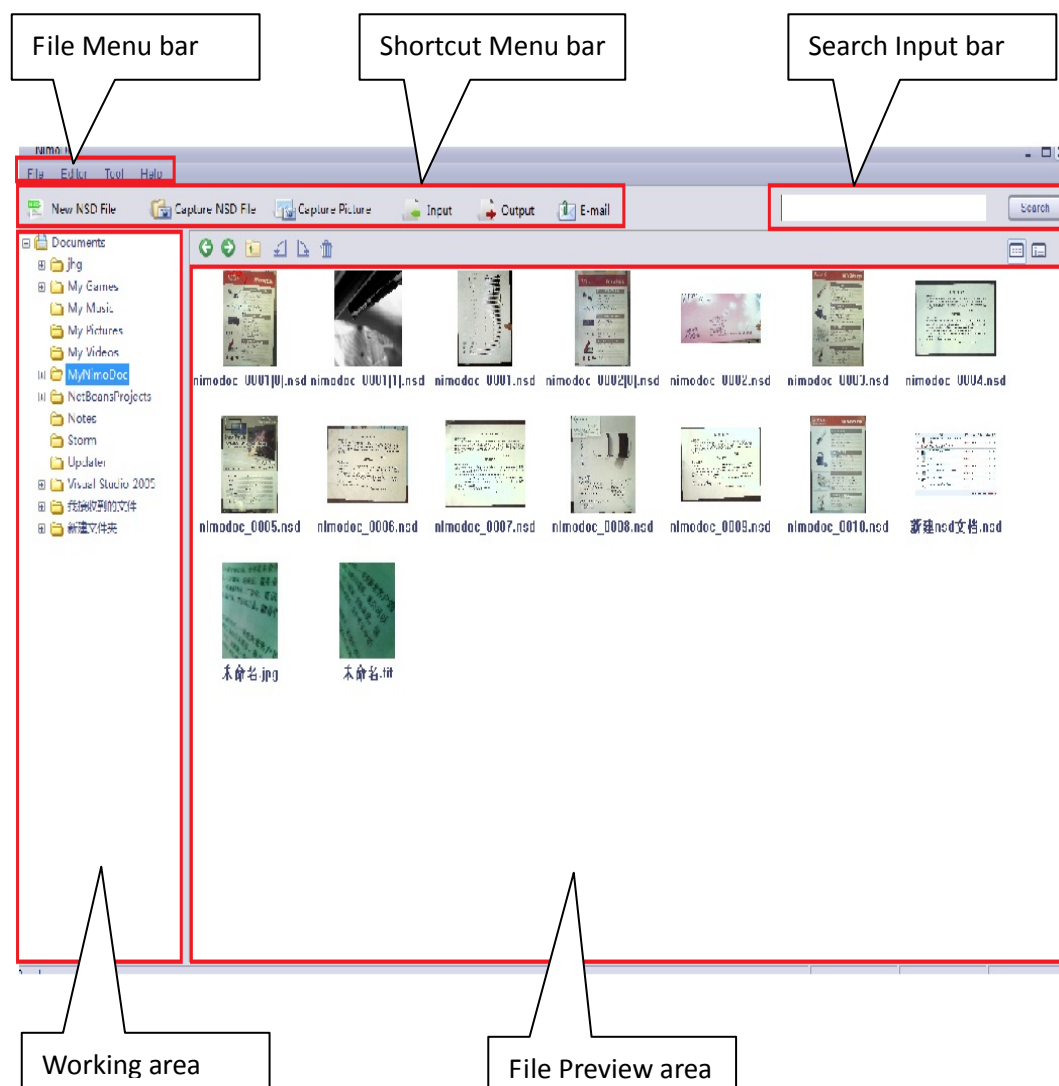
1.5 Launch Software



2. Software Interface Description

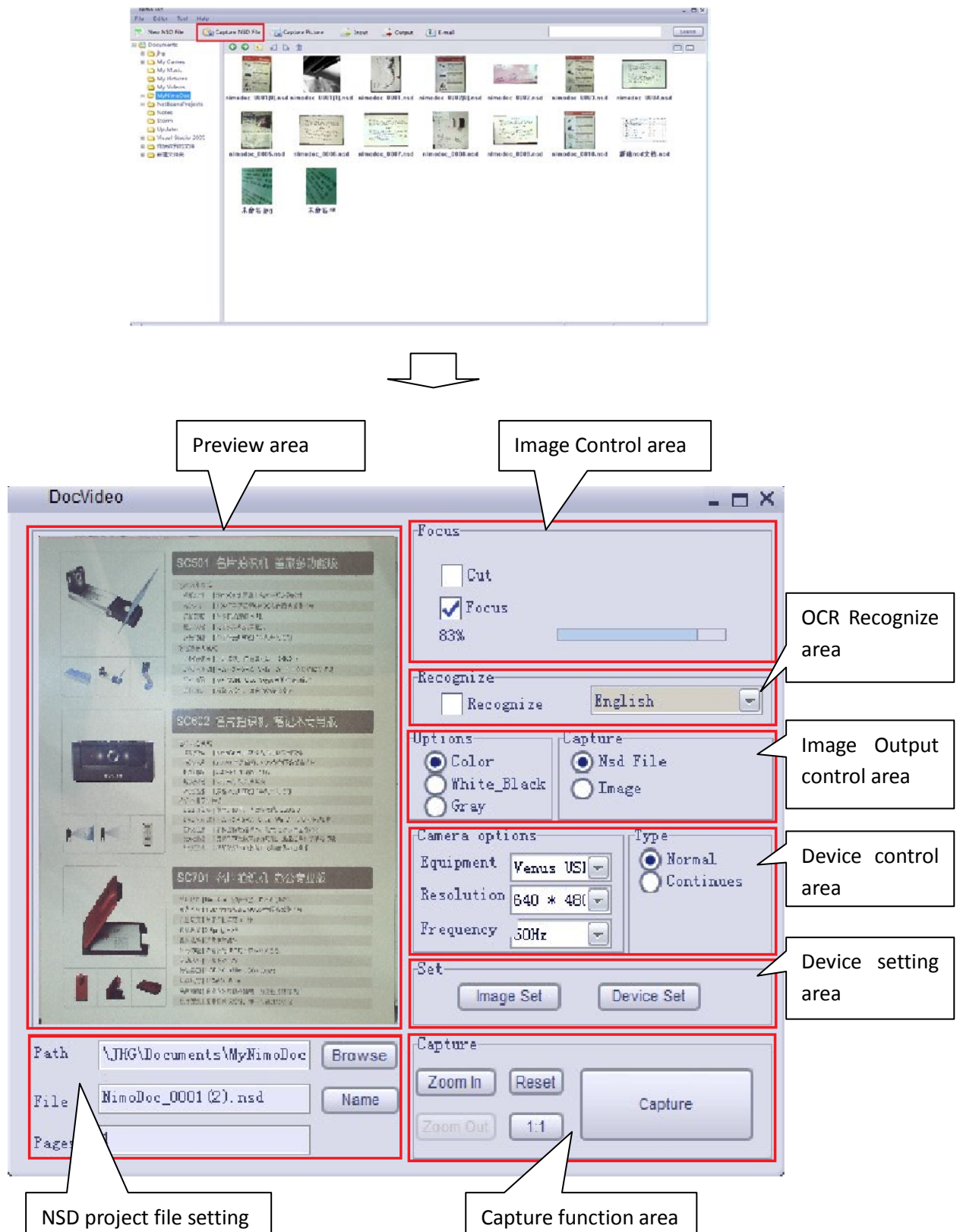
2.1 Startup window

To launch the Startup window by click on Start → All Program → NimoDoc → NimoDoc.



2.2 Capture window

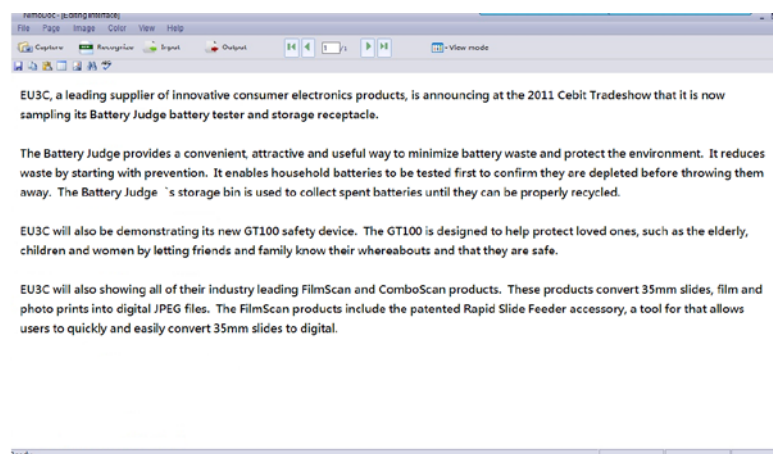
Click [Capture NSD File] button to open the capture window with interface layout as below:



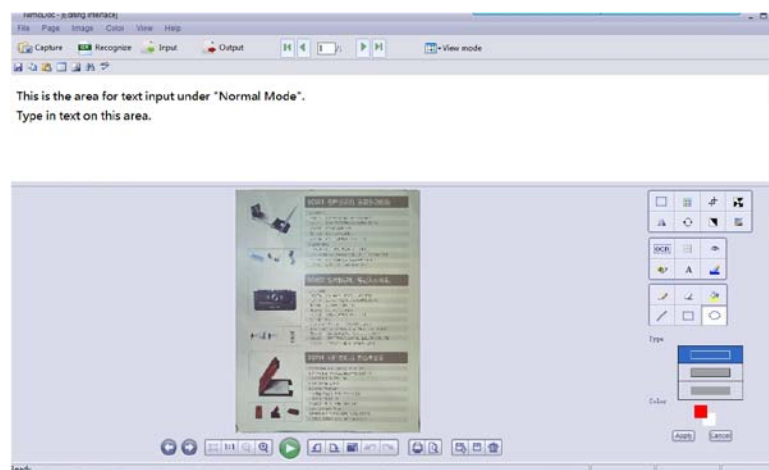
2.3.1 The Image Edit mode



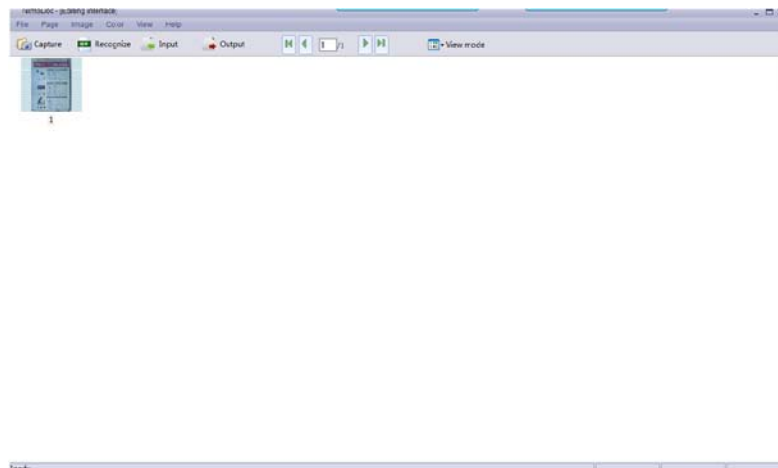
2.3.2 The Text Edit mode



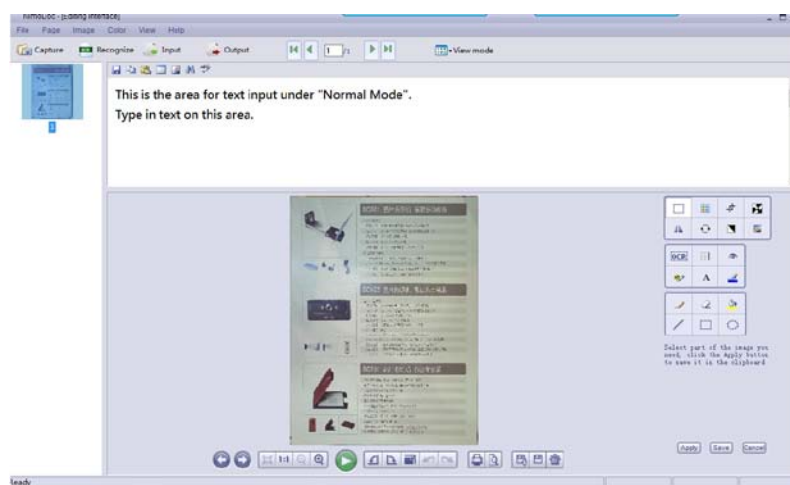
2.3.3 The Corresponding Edit mode



2.3.4 The List Edit mode



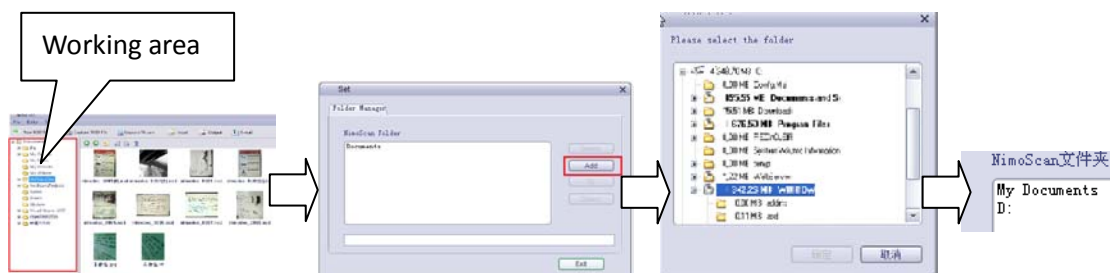
2.3.5 The Normal Edit mode



3. Capture Function Introduction

3.1 Set working area (save directory)

Right-click any place on the “Working area” to show menu options. Select the [Folder Manager]

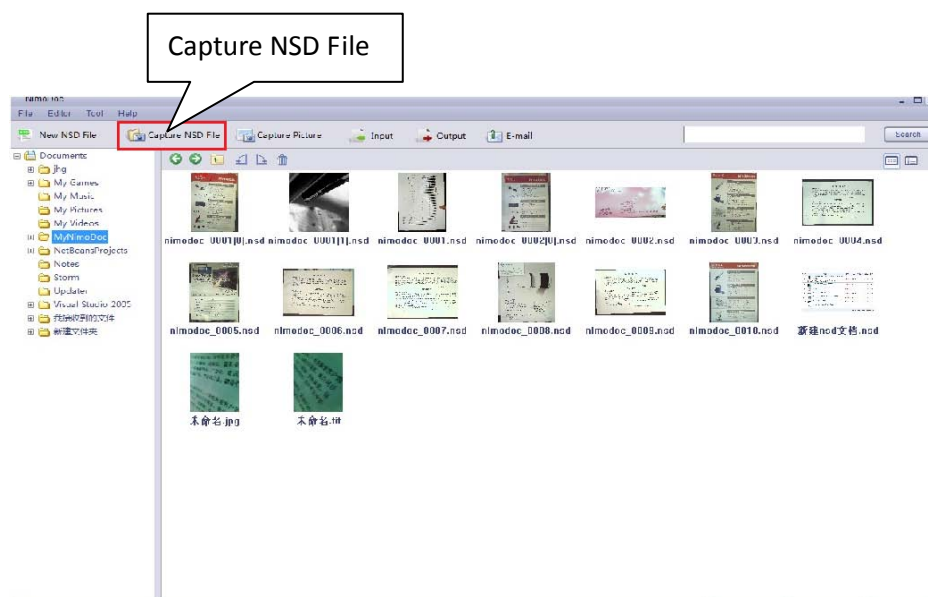


On Folder Manager, click the Add button to select a directory in the Folder Browser and set it as the working area.

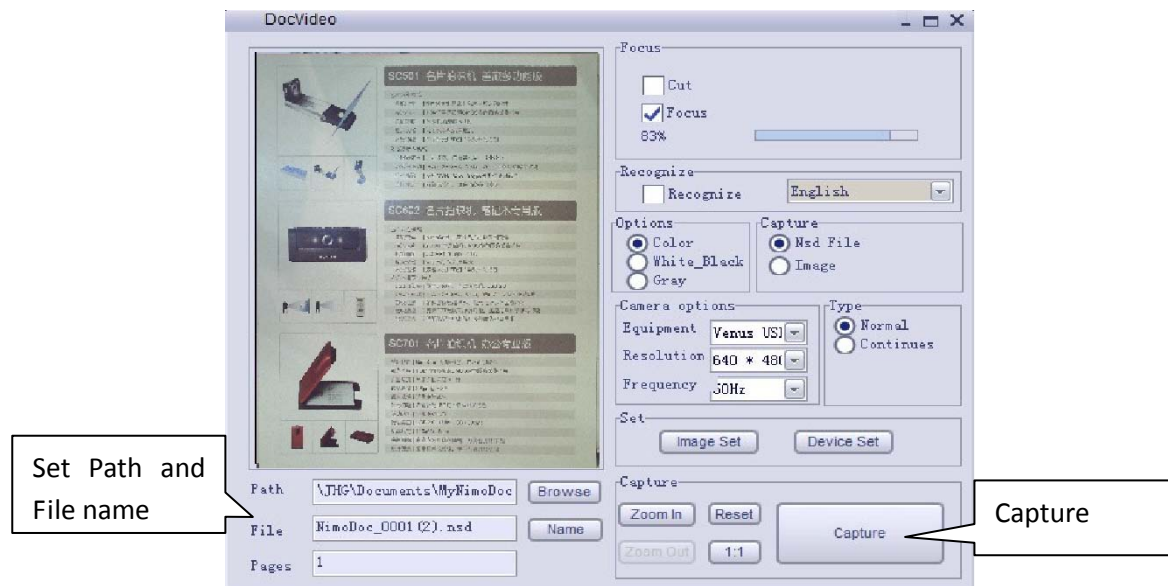
After this setting, the captured document will be saved in the set directory. All file can be found in their respective sub-directory in this set directory.

3.2 Capture document

Make sure the LampScan is connected correctly to power. Now click on [Capture NSD File] button to open up Capture window.

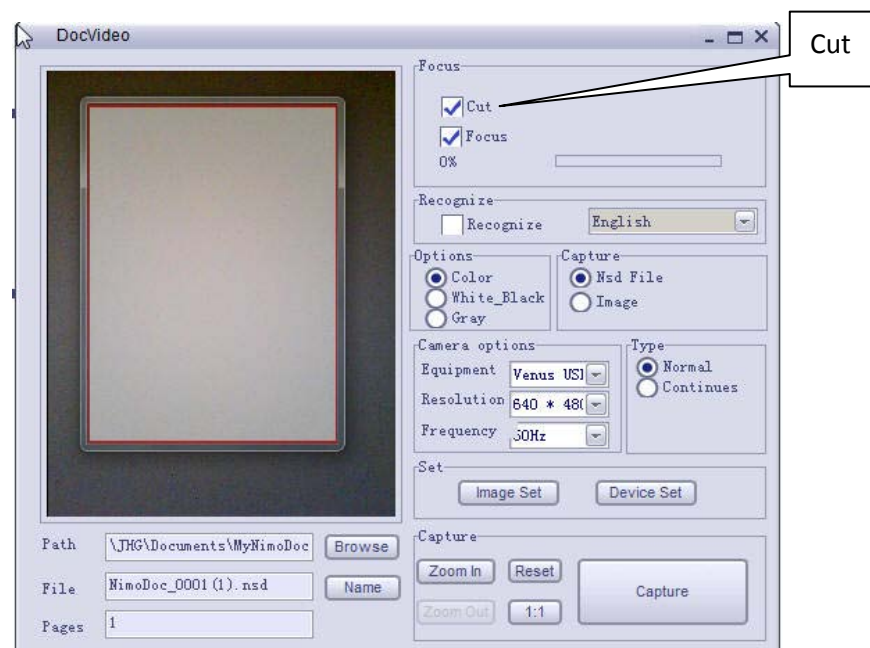


Place document in position underneath the LampScan Lens. Confirm the correct focus. Make sure the Path and File are in prefer setting. Click Capture button to save to the set directory (working area).



3.3 Crop document

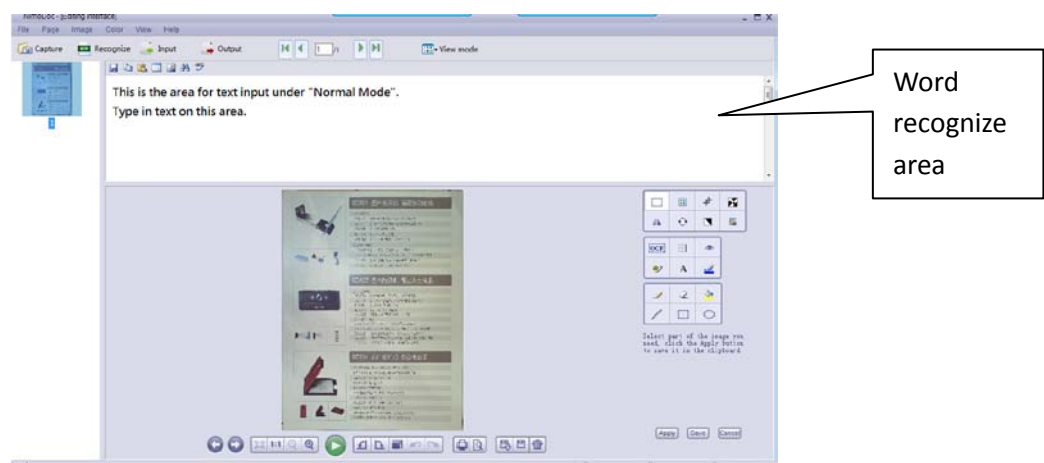
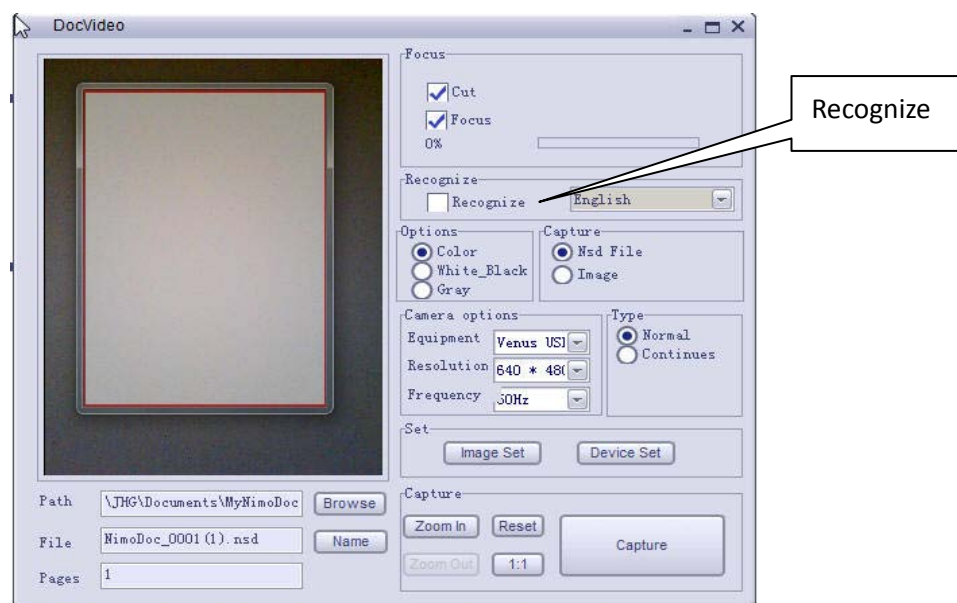
We often come across different document size. It will show up in the preview area in relative proportion. We will be able to select the proportion we want to keep and cut out the unwanted bit. To do it, click [Cut] selection to show a translucent red box on the preview area. Resize this red box to cover the kept area and click [Capture].



3.4 Word Recognition in document

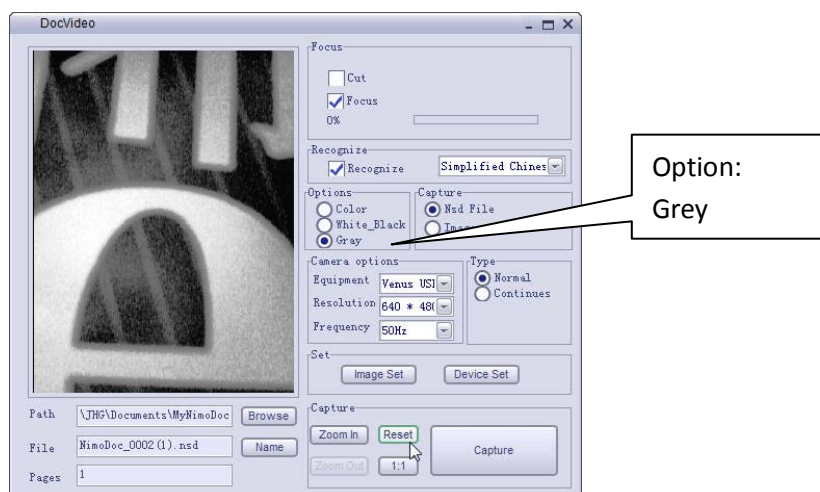
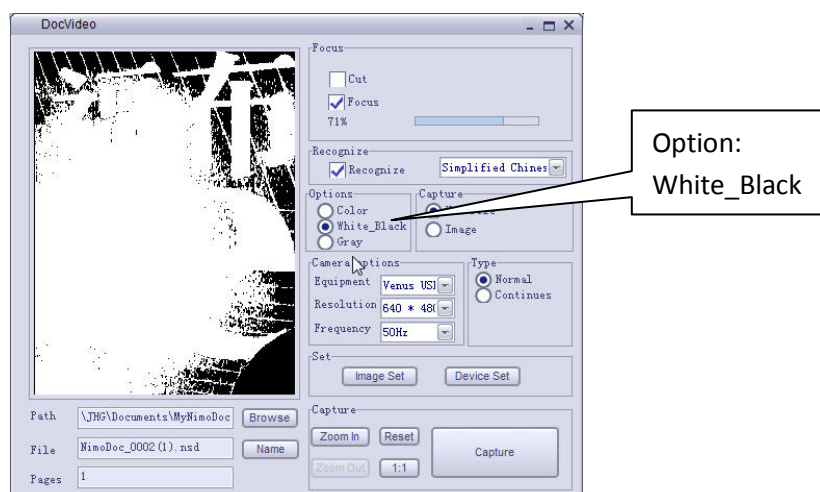
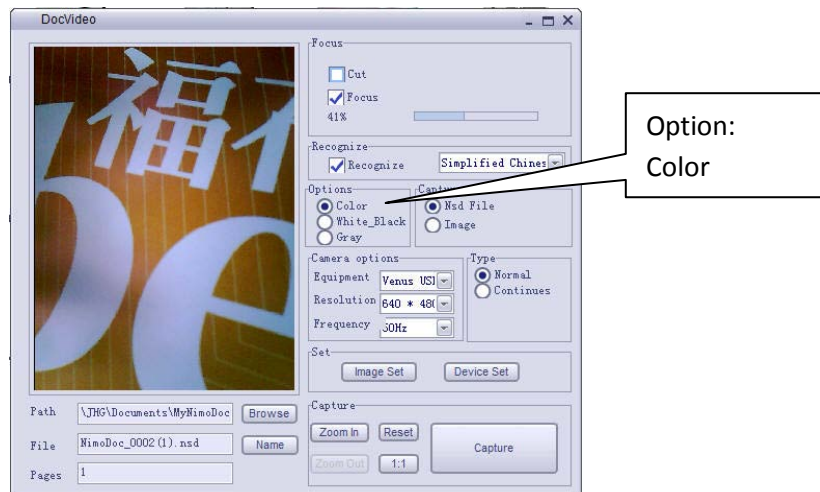
LampScan APP is built with automatic word recognition function. Select the [Recognize] button and select the language of input text. Click on [Capture] button to complete the image capture and process the word recognition.

Note: to lift the recognition rate, make sure the image is tolerance of tilt in plus or minus 3°.



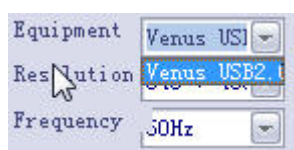
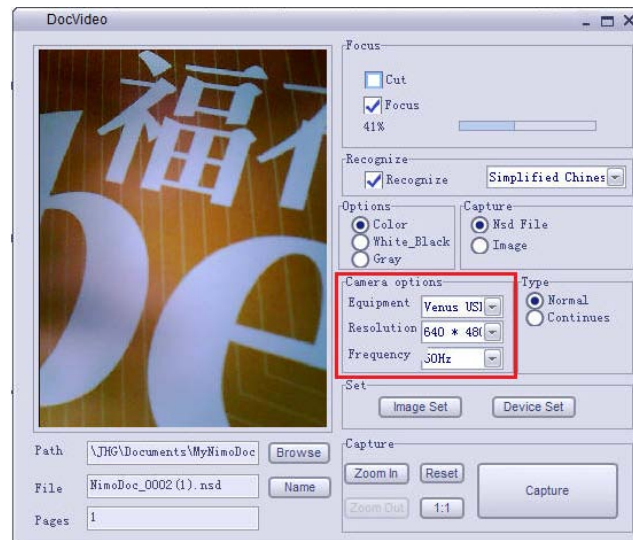
3.5 Select image color option

When there is a need to select a different color format, we have three color options to select. We can review the image below in comparison for different color selection:



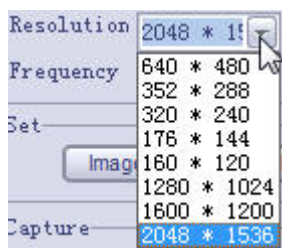
3.6 Manage and Control Device

To manage and control device hardware can be made here:



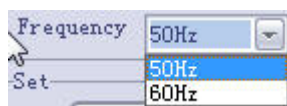
Equipment:

When multiple devices are connected simultaneously, selection and management of these devices can be made here.



Resolution:

A variety of resolution options to choose from here.



Frequency:

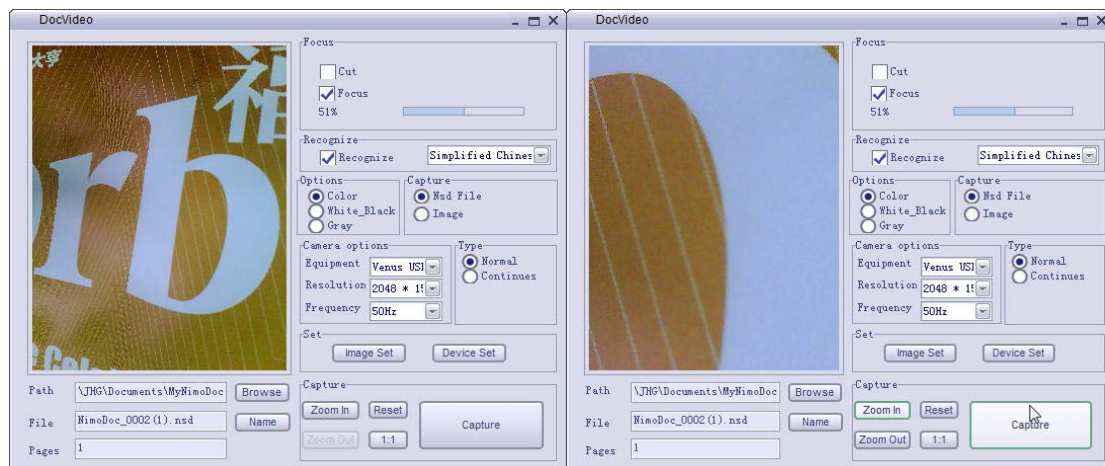
In order to comply voltage to most countries worldwide, a selection of power frequencies to select here.

3.7 Zoom document

When capturing the image, some useful feature to enlarge or reduce object is helpful in viewing.

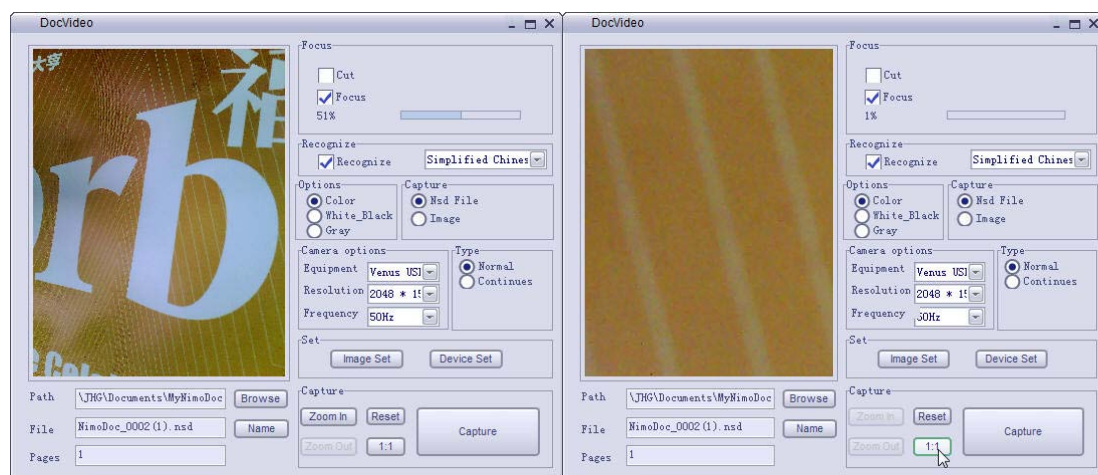
Left: Original

Right: Zoom In



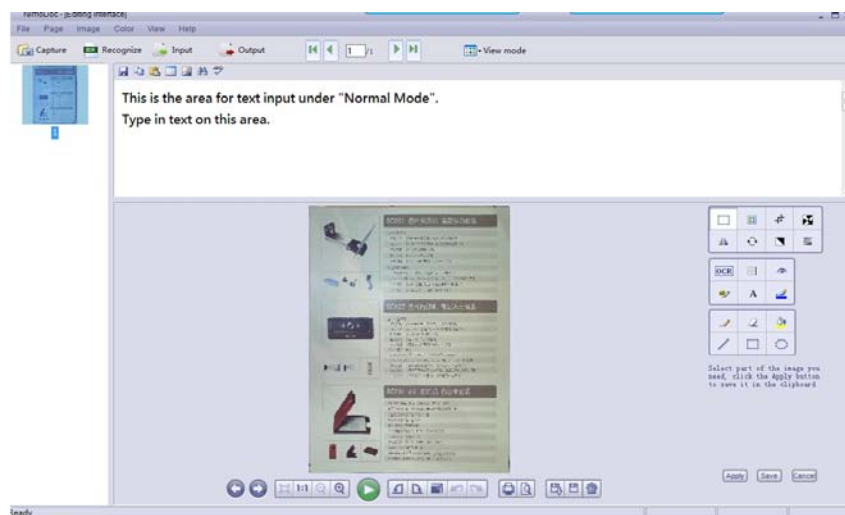
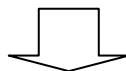
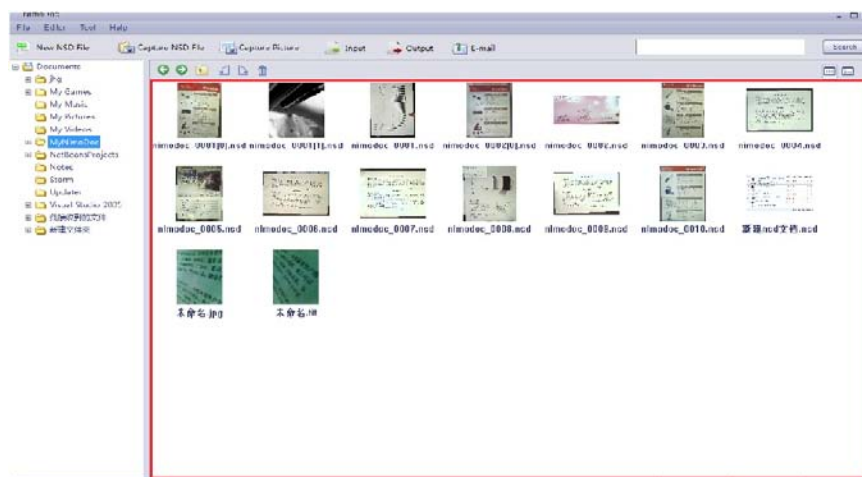
Left: Original

Right: 1:1



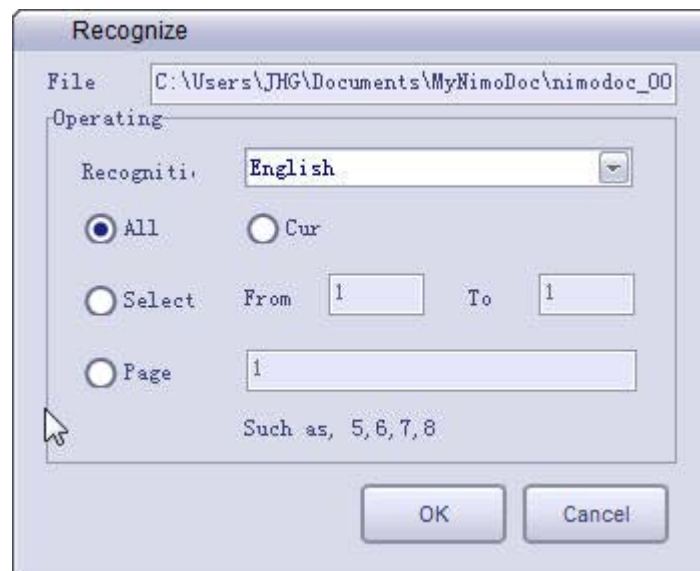
4. Edit Function Introduction

After capturing, further editing on the document can be made here. Double-click the file to open the Edit window:



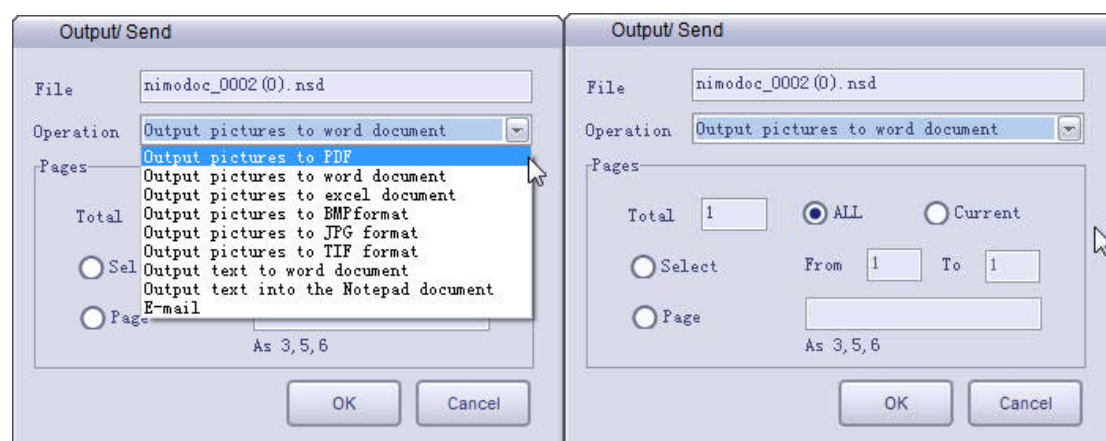
4.1 Text recognition

On the recognition setting, select the language for input text and the page in range or in page number to be recognized:



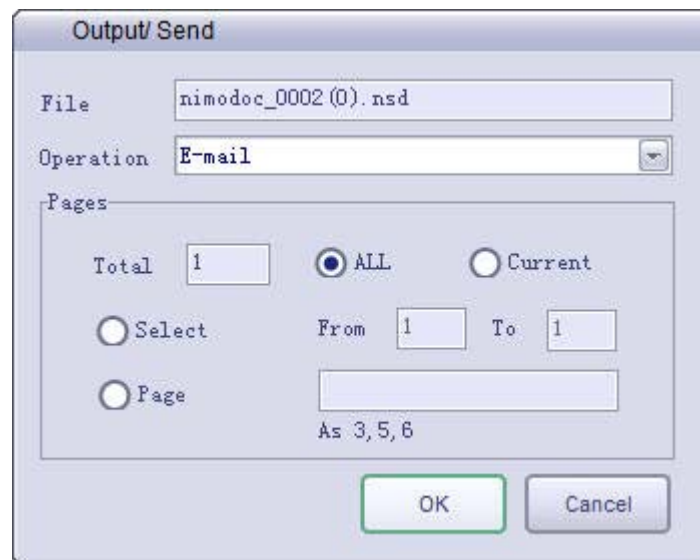
4.2 File export

A rich number of output file format is made available here. Click Operation to select file export format from the list. You can also specify the number of pages to be export:



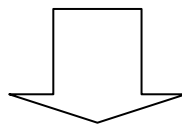
4.3 Send e-mail

To send capture picture via email is available by selecting E-mail in the Operation list. An email program is opened with the capture picture as the attachment. Complete the email recipient, subject and message field input like normal email task and send.



4.4 Text search

Text search is able to navigate through the content within the word recognition document. Type in key words into the search bar and press Search. The result will show a list of file that contains the key words.



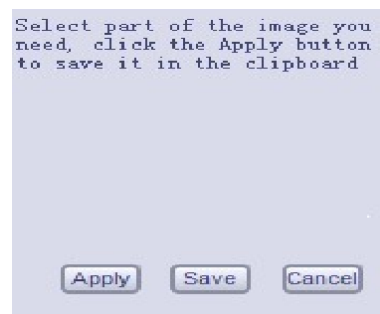
4.5 Image edit bar

In the image edit bar, you can easily adjust the image using the selected tool.



1-1 Rectangular selection button

With this selection box, variant in the image of any area you want to operate, and click on the application, the region's image can be saved in the clipboard, you can paste in any area you want to paste



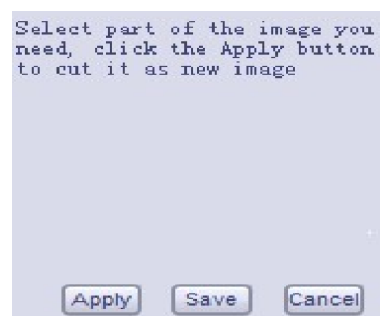
1-2 Color adjustment button

Click this button, by adjusting the slider below to adjust the image sharpness, brightness, contrast, saturation and hue to achieve satisfactory results after the click Apply to save the image



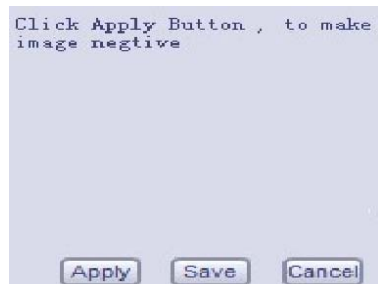
1-3 Crop button

Click this button, you need to keep the region, variant, and click the application, you can save some of the images you need



1-4 Anti-color button

Click this button, click Apply, you can make the current anti-color, black and white on the exchange



1-5 Mirror button

Click this button, click Apply, you can make the current picture about the mirror



1-6 Image Rotation button

Click this button, drag the slider to adjust the image at any angle of rotation, click Apply to save changes to the image



1-7 Button image binarization

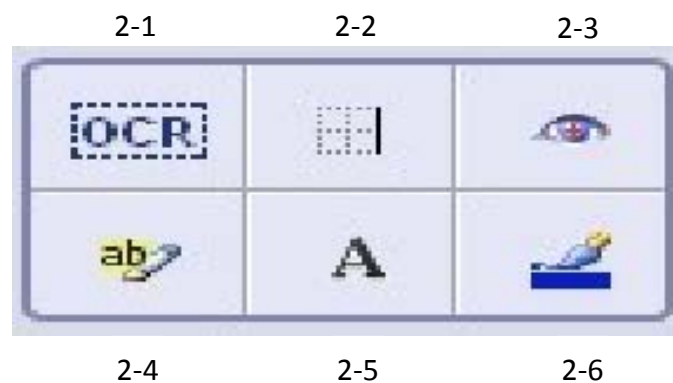
Click this button to select automatic binarization, binary image can be made, click Apply to save changes to the image



1-8 Gray button

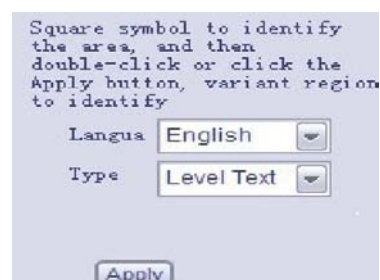
Click this button to generate the current image of the grayscale image, click Apply to save changes to the image





2-1 Character recognition button

Use the square symbol to identify the area first. Select the language type and text layout type. Click Apply to show a pop up window with contents of identification.



2-2 Image to the black side buttons

Click the button, and click the button below function, you can remove images caused by filming the black side, if the cause misoperation, click the Restore button to restore the original image, click Apply to save the image changes



2-4 Notes tool button

Click this button and enter in the text box below the content you want to record, click on the image above you need to record some of that to add notes in the image



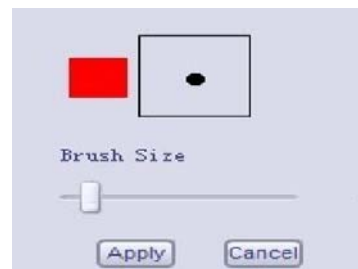
2-5 Text Tool button

Click this button and enter in the text box below the text you want to add, click on the image above you need to record some of that to add text in the image

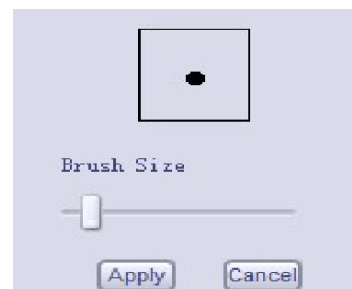


2-6 Paintbrush tool button

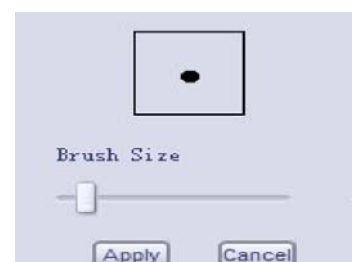
Click the button, and below you to select the color and brush size, you can annotate the image

**3-1 Pencil tool button**

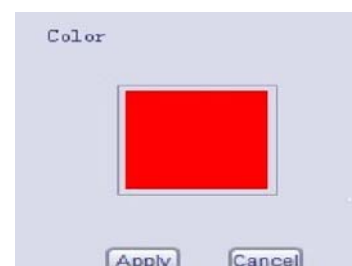
To draw randomly.

**3-2 Eraser tool button**

Click on this button, click on the brush size below and click on applications, you can erase the image above, made before the mark

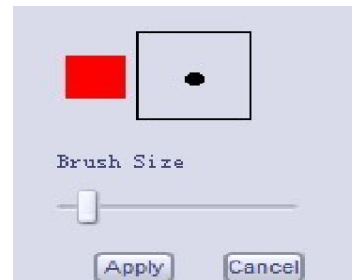
**3-3 Fill tool button**

Click this button to fill in the image on the color of choice



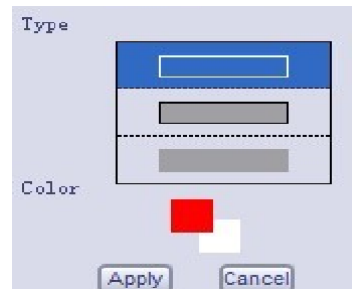
3-4 Drawing a line button

Click this button to fill in the image on the color of choice



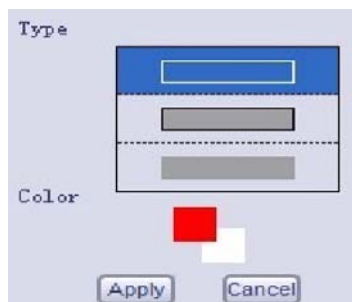
3-5 Frame button

Click this button, you can frame the image above

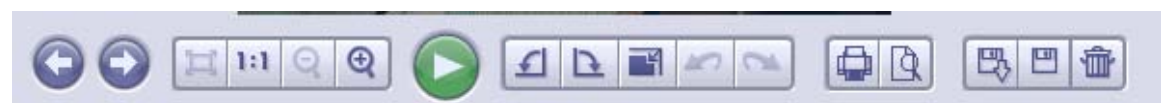


3-6 Draw a circle button

Click this button to draw a circle in the image above



4.6 Picture Function bar



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

- | | |
|-------------------------|--------------------|
| 1. Previous picture | 9. Clockwise |
| 2. Next picture | 10. Image Resizing |
| 3. Best Image Size | 11. Undo |
| 4. Original Size | 12. Redo |
| 5. Image Narrow | 13. Print |
| 6. Image Zoom | 14. Print Preview |
| 7. Full Screen Playback | 15. Save |
| 8. Counter Clockwise | 16. Save As... |
| | 17. Delete |

5. Specifications

Image sensor	5 Mega pixels
Active pixels max	2592*1944
Scan speed	one second
OSD	controlled by software buttons or base buttons
USB connection	USB 2.0
Illumination	500LUX
Operating Temperature	-30 to 70
Power consumption	4W
Lens material	4G+IR
Input voltage	110Vto240V
Image resolution	2592*1944,640*480,320*240
output format	JPG, PDF, xlsx, doc
light source	LED
Color temperature	5500K pure white
Light guide LED number	26pcs
camera area	A4
Object distance	40CM (A4)
Certifications	FCC, RoHS, CE, UL
Width	2.2KG
Height	515MM
Lens F number	2.8