

# Document Camera

# USER MANUAL

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## Copyright

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## Trademarks

Windows is a registered trademark of Microsoft Corporation in the United States and other countries. All other products mentioned in this documentation are trademarks or registered trademarks of their respective owners.

## Disclaimer

The screenshots in this user manual were made with Windows 10. If you are using another Windows system, your screen will look somewhat different but will function the same.

Specifications of this software and the contents of this user manual are subject to change without notice. Any modification, error correction, or feature updates made in the actual software may not have been timely updated in this user manual. Users may refer to the actual software itself for more accurate detail. Any misprints, translation errors, or inconsistencies with existing software, will be updated on the Microtek website as soon as possible.

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# 1. Introduction

The CamShop is a powerful document scanning software for a USB-based document camera. The software allows users to

- Quickly scan images or documents into JPEG or PDF files
- Create text OCR and output the result into an editable Word/Text/Excel format
- Recognize 1D and 2D barcodes, including QR codes
- Make photocopies and print them with a printer
- Scan and email scanned files
- Even record video clips

The software offers more than 10 different languages of user interface and built-in a powerful OCR engine that supports the recognition of more than 100 different languages.

This software also comes with many powerful image processing algorithms, such as scanning images in B&W while specifically keeping red or blue content, removal of undesired shadows, enhanced color, auto-repair of documents with damaged edges, auto-rotation based on text orientation, automatic image cropping, and automatic page-flip detection.

**WARNING:**

This software is usually distributed with a specific brand and model of dedicated document camera. Only when it works with qualified document cameras, the software can bring out its full and powerful potential. When it works with non-qualified document cameras, some or all of the features in this software will NOT work.

## 2. System Requirements

To ensure the performance of this software, the following hardware system requirements are required:

	Recommended System	Minimum System
CPU	Intel® Core™ i5 or higher processor	Intel® Core™ 2 Duo or AMD Athlon™ II processor
RAM	4GB	2GB
Graphics card	Intel® HD Graphics 5000 or higher graphics cards, such as NVIDIA or ATI with 2GB VRAM	Intel® Standard Graphics or higher graphics cards with 512 VRAM
Free disk space Operating System	4GB Win 7/ Win 8/ Win 10/ Win 11	2GB Win XP SP3
USB	USB2.0	USB2.0

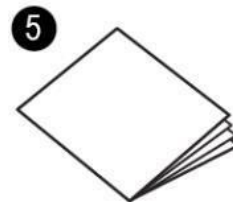
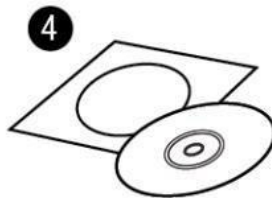
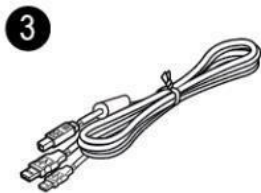
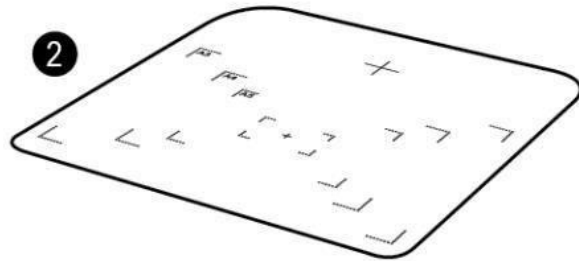
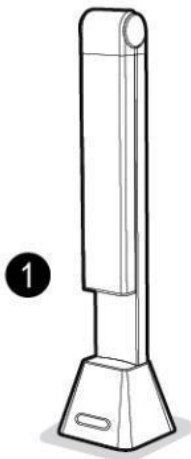
**WARNING:**

This software version does not work on Apple Mac OS or Linux systems.

## 3. Unpacking

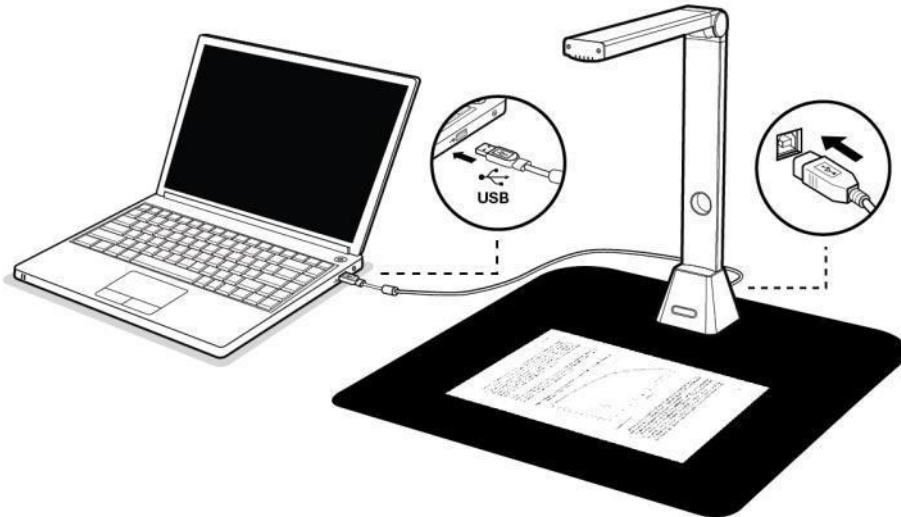
After unpacking, make sure that all the following items are included in the box. If any items are missing or damaged, contact the dealer where you purchased this product.

- 1) Document camera
- 2) Black pad
- 3) USB cable
- 4) Software CD
- 5) Quick Start Guide



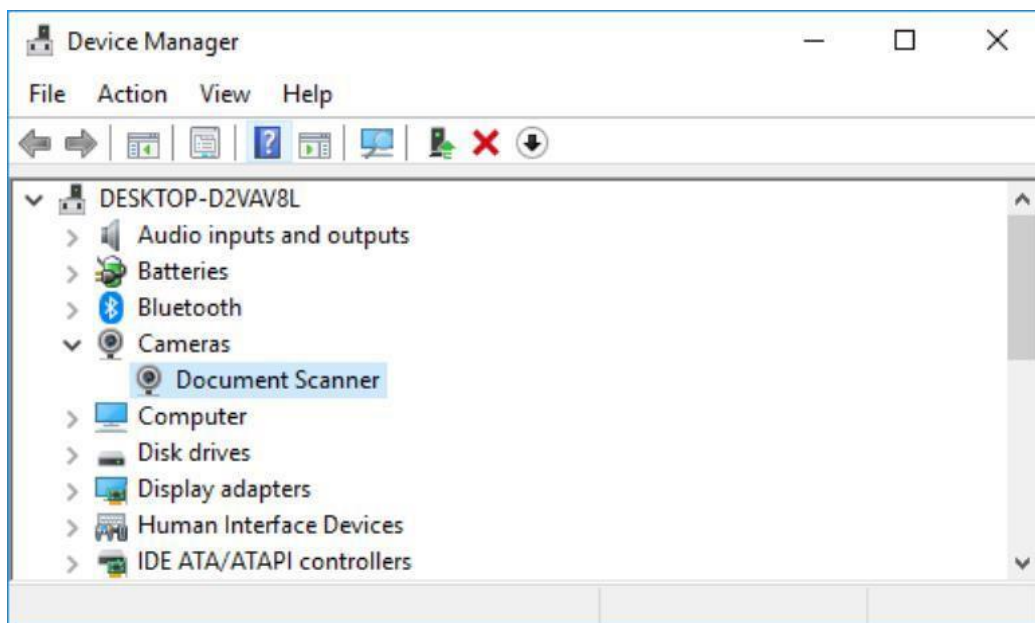
## 4. Hardware Installation

- 1) Connect one end of the USB cable to the back of the document camera, and connect the other end of the cable to an available USB port on your computer.



- 2) When the USB cable is connected, the system will detect your document camera automatically.

You are now able to see the message, “Document Scanner” under “Camera” in the Device Manager dialog box on the screen.



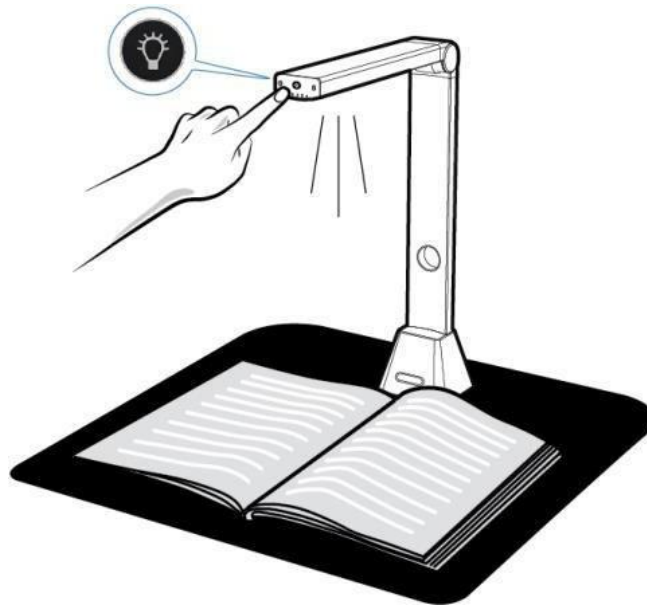
**NOTE:**

To open the Device Manager dialog box, locate it from the “Hardware and Sound ” area of the Control Panel in Windows. Or, open it directly from the Start menu by right-clicking the Windows “Start” button.

## Using LED Light

There are three levels of LED brightness control available. It can be used when using the document camera in low-light environments. To turn on the LED light, please follow the steps below:

- 1) Touch the Light button once to turn on the LED light.
- 2) Touch for the 2nd time to switch to a lower brightness.
- 3) Touch for the 3rd time to switch to the lowest brightness.
- 4) Touch for the 4th time to turn the LED light off.



**NOTE:**

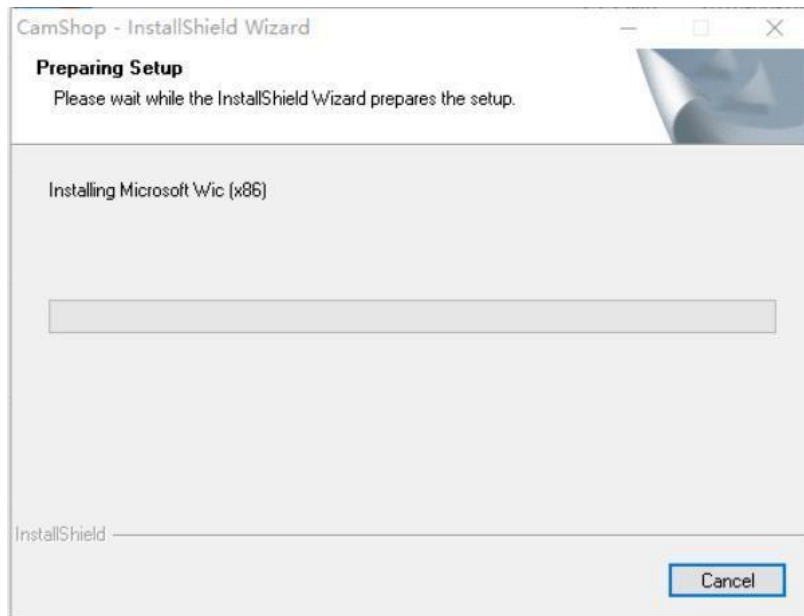
Do not fold (close) the document camera without turning off the LED light, as this may cause it to overheat.

## 5. Software Installation

**NOTE:** Before installing this application software, it is recommended to close any antivirus programs or security software running on your system

If you are installing this software from a download file, please double-click the “Setup.exe” file to start the installation process. If installing this software from a software DVD, please insert the software DVD into a DVD drive, then the installation process may start automatically.

Once the installation process begins, follow the on-screen instructions to install the software.



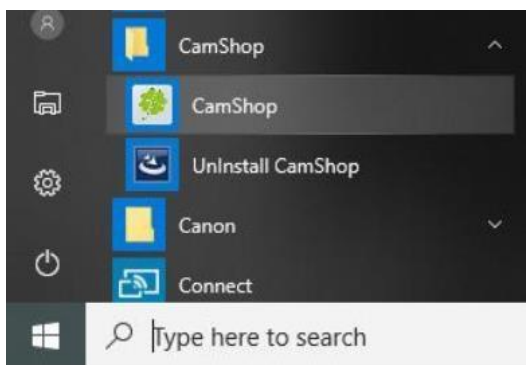
When the installation is complete, click “Finish” to close the installer.

## 6. Getting Started

- To start the program, double-click on the “CamShop” software icon on the Windows desktop.

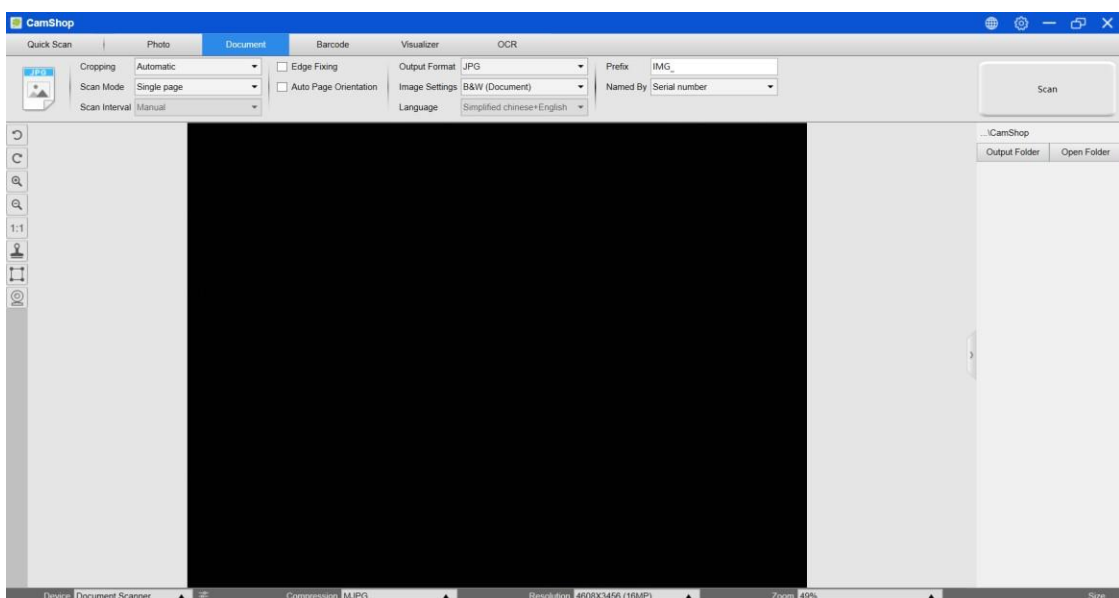


- Or, start CamShop by locating it under “Programs” from the Start menu. Click the *Windows Start Menu > All Programs > CamShop folder > CamShop*.



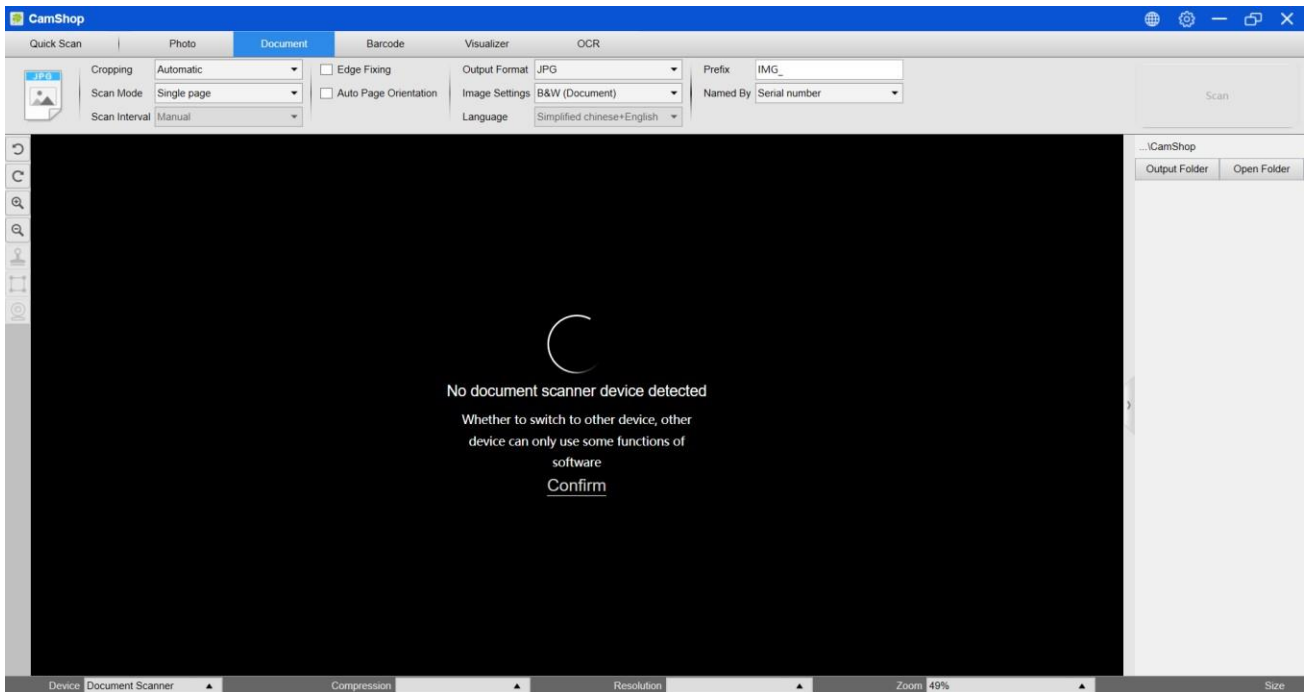
### 6.1 Main Window

When the software is launched, the CamShop main window will appear on the screen, as shown below. In the middle of the main window, you should be able to see the real-time preview video feed from the camera device.



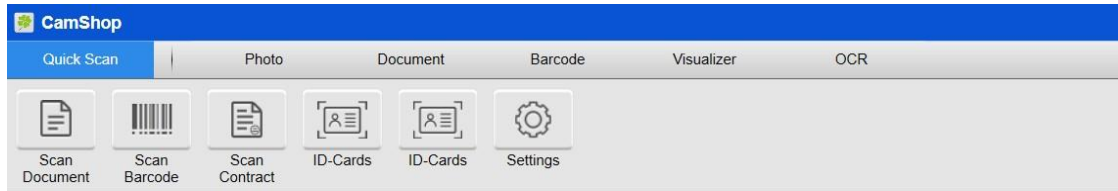
**NOTE:** If you do not see the real-time preview video from the camera device and a **[Detecting devices...]** message is displayed in the middle of the main window, please double-check the following items sequentially.






- 1) Make sure your camera device is properly connected to your computer via a USB cable.
- 2) Make sure you have lifted the document camera's horizontal arm, which is supposed to be 90 degrees from its vertical stand. (If the camera arm is folded (closed), you may see the black video even if the camera is working properly.)
- 3) Please try to connect the USB cable to another USB port on your computer or restart your computer.



## 6.2 Function Modes

There are five major function modes available. The user can select different function modes by clicking on the function names shown in the menu bar area.

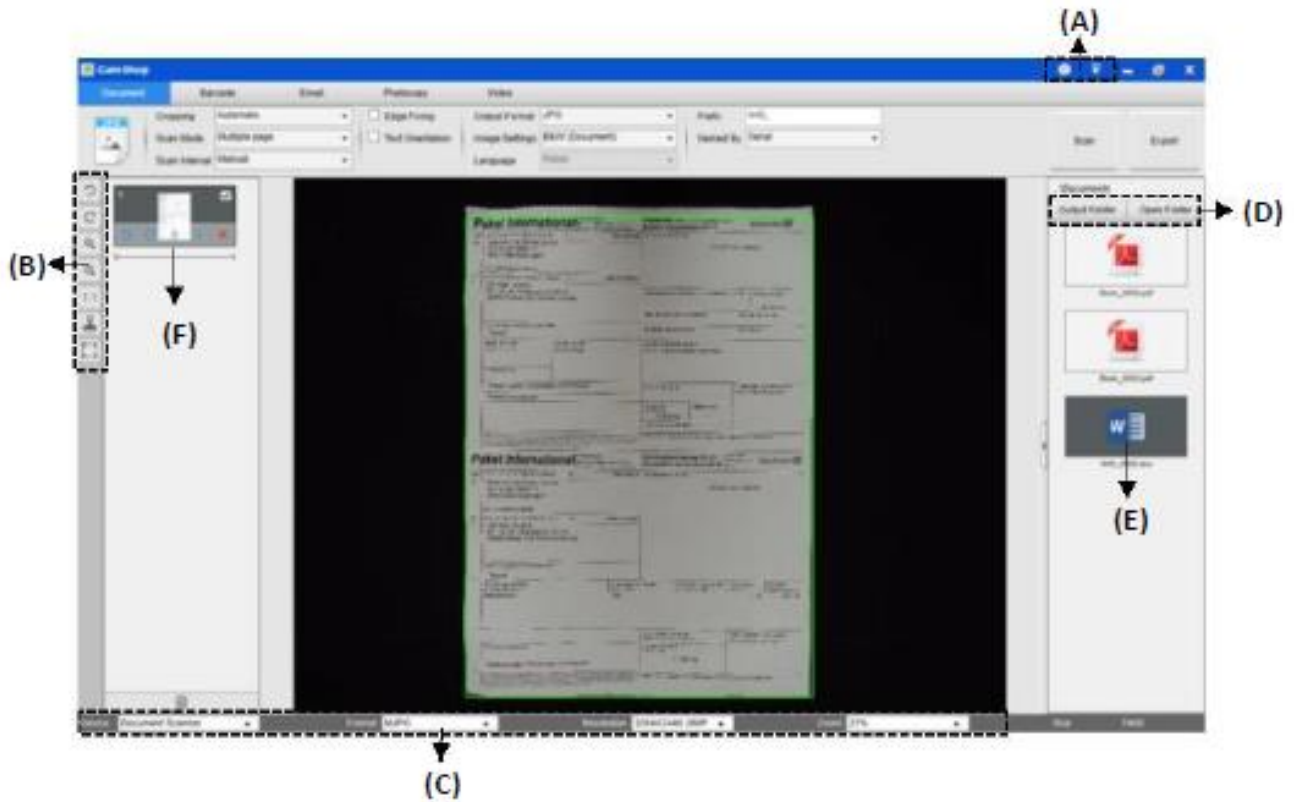


Function Modes	Icons	Descriptions
Document		The Document mode is used for scanning documents, business cards, ID cards, or any paper sheets into JPEG or PDF files. You can even perform OCR and convert the scanned images into editable Word/Text/Excel files with this mode.
Barcode		The Barcode mode is used to scan 1D and 2D barcodes then decode codes into text or image files in JPEG/Text/Excel /PDF formats. It can also scan QR codes and automatically execute the embedded URL link after scanning.
Photo		The Photo mode is used to capture still images and save them in different file formats. It can also capture a series of images continuously at a specified time interval.
Visualizer		In Visualizer mode, you can display the real-time video feed from the camera, and freely draw or annotate the displayed images. And, you can even capture or record video with sound.
OCR		The OCR mode is used to convert the scanned images into editable text in PDF/Text/Excel/Word formats. You can even drop out the color through the output image setting for clearer forms or preserve seal colors stamped on the documents.



### NOTE:

- 1) Each mode has its own function options and settings.
- 2) Each mode has its own storage directory for saving files.






## 6.3 Control Window







(A) At the top of the main window, there are two control buttons for setting the software.

Buttons	Descriptions	Note
	Language	UI display language settings
	Settings	Software control settings

(B) On the left side of the main window, there is a toolbar with a number of tools for performing specific actions on images.

Buttons	Descriptions	Note
	Rotate Left 90 Degrees	
	Rotate Right 90 Degrees	
	Zoom Out	
	Zoom In	
	Fit Screen / 1:1 Display	

	Watermark (Add watermark on images)	Only available for some function modes
	Manual Crop	Manually adjust the cropping of a scanning area
	Full Screen (Enter Visual Presenter mode)	Only available in the [Video] Function Mode
	Focus (Trigger the Auto-Focus action)	Only available for document cameras that support the Auto-Focus function

**NOTE:**

The “Focus” button only appears when the document camera in use supports the Auto-Focus function. By clicking on this button, the user can manually trigger the camera to adjust the focus on the lens automatically.

(C) At the bottom of the main window, there are some controls for setting the camera device.

Functions	Descriptions
Device	Select a camera device to use
Compression (Format)	Set the video output format
Resolution	Set the video output resolution
Zoom	Change the zoom scale of the image

**NOTE:**

1) In the [Compression] options menu, there are two video formats available, YUV and MJPEG. YUV is a raw, uncompressed video format, while MJPEG is a compressed video format.

Compared with YUV, the MJPEG format allows higher video frame rates. However, not all camera devices support the JPEG format.

2) In the [Resolution] options menu, choosing a higher resolution will result in a lower video frame rate. If you want to capture still images or scan documents, a higher resolution setting is recommended. If you use this device as a visual presenter, a lower resolution setting can bring you a smooth video experience.

(D) On the right side of the main window, there are two buttons for selecting the location of the file.

Buttons	Descriptions
Output Folder (Select)	Specify a location to save files
Open Folder (Open)	Allow to access files

**NOTE:**

After the software program is installed, each function mode has its own file-saving location under the default software program directory. Users can change the default save location to a new location as needed.






- (E) In the right column of the main window, right-click on any displayed image and a menu with the following options will appear.

Right-click options	Descriptions
Open	Access the image file
Copy	Duplicate the file
Rename	Change the name of the file
Delete	Remove the file
Compare	Compare images in the same window
Convert into PDF	Convert or combine multiple images into one PDF file
Convert into TIF	Convert or combine multiple images into one TIF file
Convert into Text	Convert or combine multiple images into one Text file
Convert into Word	Convert or combine multiple images into one Word file
Convert into Excel	Convert or combine multiple images into one Excel file
Convert into EPUB	Convert or combine multiple images into one EPUB file
Email	Send the image file as an email attachment
Print	Print the image on a chosen printer
Property	Open the Property window

**NOTE:**

- 1) The “Compare” and “Convert” functions can work on one or more image files at the same time. Users can press the Shift or Ctrl key on the keyboard to select multiple image files.
- 2) When using the “Email” function, please make sure that you have an email program installed on your computer, such as Microsoft Outlook.

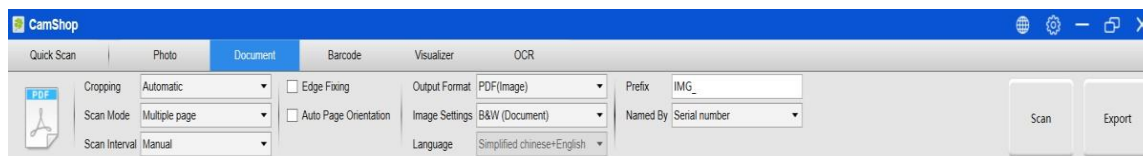
- (F) In the left column of the main window, you can use the following tools shown on each thumbnail image to rotate the scanned image, change its order, or delete it. You can also directly enter the Document Page Editor mode for further action by double-clicking on the thumbnail image.

Buttons	Descriptions
	Rotate Left 90 Degrees
	Rotate Right 90 Degrees
	Move the image up
	Move the image down
	Remove the image

**NOTE:** The left column of the main window appears only when the Scan Mode is set as “Multiple Pages” in the Document function mode.

## 6.4 Function Settings

Each function mode has its own function settings. For example, when the function mode is switched to the [Document] function mode, you will see the following feature settings with available options on the screen, as shown below.



Function Settings	Options	Descriptions
Cropping	Automatic	Automatically crop a single image
	Automatic (Multiple)	Automatically crop multiple images
	No Cropping	Scan without cropping
	Self-Defined	Manually select an area to crop
Scan Mode	Single Page	Scan a single-page document
	Multiple Pages	Scan a multi-page document continuously
	Merge Horizontally	Scan the double-sided documents with left and right merge
	Merge Vertically	Scan the double-sided documents with top and bottom merge
Scan Interval	Manual	Scanning starts by clicking the Scan button
	Automatic	Scanning starts automatically when the camera detects the page turns
	Repeat (5sec)	Scan images continuously at 5 seconds interval
	Repeat (7sec)	Scan images continuously at 7 seconds interval
<input checked="" type="checkbox"/> Edge Fixing		Automatically crop and fix damaged edges of images
<input checked="" type="checkbox"/> Auto Page Orientation		Automatically rotate images based on text orientation
Output	JPEG	Save as JPEG file
	PDF(Image)	Save as PDF file
	PDF(Searchable)	Save as a searchable PDF file
	PDF(Text)	Save as an editable PDF file
	Text	Save as an editable Text file
	Word	Save as an editable Word file
	Excel	Save as an editable Excel file
Image Settings	B&W (Document)	Scan images in Black & White and make the background white
	B&W (Binary)	Scan images in Black & White binary
	B&W (Red Stamp)	Scan images in Black & White and keep the red stamp
	Color (Original)	Scan images in original color
	Color (Enhanced)	Scan images in enhanced color
	Grayscale	Scan images in grayscale
Language	Select a language for OCR processing Note: Make sure that the selected language is the language in which the original text document is written.	
Prefix	Add prefix for the file name	
Name By	Serial Number	Name files with serial number
	Date & Time	Name files with date and time

## 6.5 OCR Function

In the Document function mode, the user can scan documents and convert images into a searchable PDF or editable Word/Text/ Excel files. The OCR function supports the following languages.

English	German	French
Spanish	Italian	British English
Swedish	Danish	Norwegian
Dutch	Portuguese	Brazilian
Galician Czech	Icelandic Hungarian	Greek Romanian
Slovak	Croatian	Serbian
Slovenian	Luxembourgish	Finnish
Russian	Belarusian	Ukrainian
Macedonian	Bulgarian	Estonian
Lithuanian	Afrikaans	Albanian
Catalan	Irish Gaelic	Scottish Gaelic
Basque	Breton	Corsican
Frisian	Norwegian Nynorsk	Indonesian
Malay	Swahili	Tagalog
Japanese	Korean	Simplified Chinese
Traditional Chinese	Quechua	Aymara
Faroese	Friulian	Greenlandic
Haitian Creole	Rhaeto Romance	Sardinian
Kurdish	Cebuano	Bemba
Chamorro	Fijian	Ganda
Hani	Ido	Interlingua
Kikongo	Kinyarwanda	Malagasy
Maori	Mayan	Minangkabau
Nahuatl	Nyanja	Rundi
Samoan	Sotho	Sundanese
Tahitian	Tongan	Tswana
Wolof	Xhosa	Zapotec
Javanese	Nigerian Pidgin	Occitan
Manx	Tok pisin	Bislama
Hiligaynon	Kapampangan	Balinese
Bikol	Ilocano	Madurese
Waray	Serbian latin	Latin
Latvian	Hebrew	Numeric
Esperanto	Maltese	Zulu
Afaan Oromo	Asturian	Azeri (latin)
Luba	Papiamento	Tatar (latin)
Turkmen (Latin)	Welsh	Arabic
Farsi	Mexican Spanish	Bosnian (Latin)
Bosnian (Cyrillic)	Moldovan	German (Switzerland)

Tetum	Kazakh (Cyrillic)	Mongolian (Cyrillic)
Uzbek (Latin)	Simplified chinese+English	Traditional chinese+English
Japanese+English	Polish	Turkey

**NOTE:**

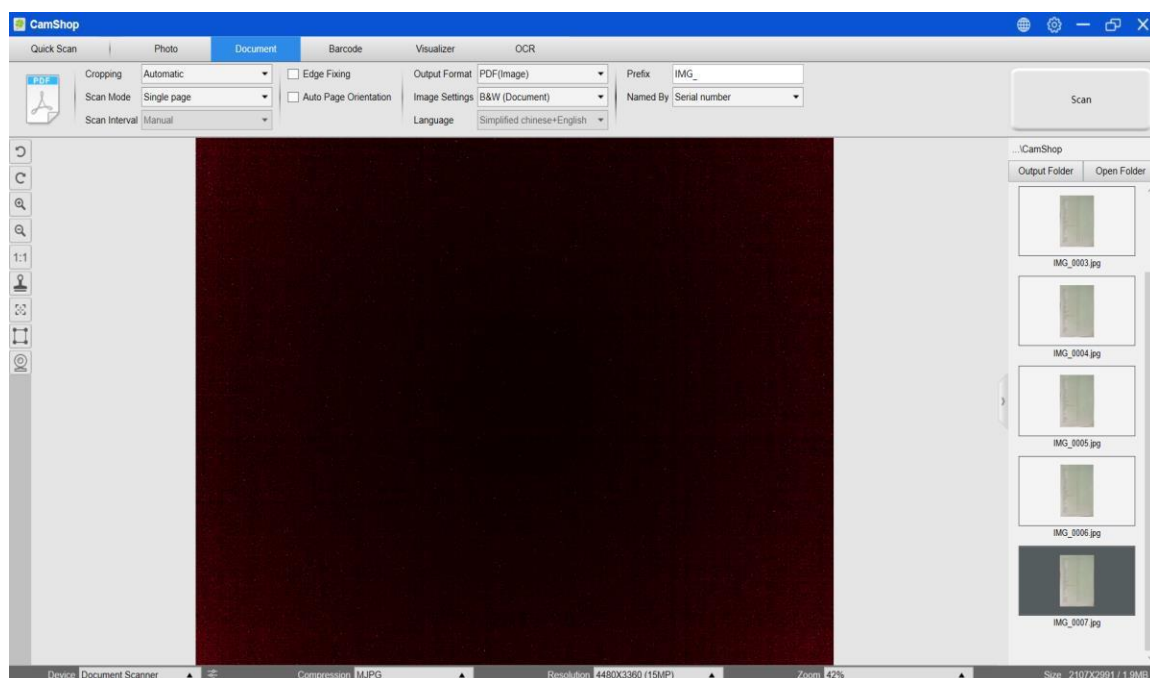
- 1) In order to make OCR work properly, please set the [Image Settings] as “B&W (Document)” or “B&W (Red Stamp)”, which can help to speed up the OCR recognition process.
- 2) the document is placed in landscape, please check the “Auto Page Orientation” function on the top menu bar. This feature will automatically rotate the document based on the text orientation.

# 7. Usage Examples

## 7.1 Tips for scanning a document well

To scan a document, you can follow the steps below:

- 1) Click on the [Document] function on the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”.
- 3) Set the [Scan Mode] feature option to “Single Page”, this will instruct the software to only capture one side of the document. (You can also select “Merge Vertically” or “Merge Horizontally” to scan both sides of the document and merge them into a single image. This is useful when you want to scan both sides of a business card.)
- 4) Set the [Name By] feature option to “Serial” or “Date & Time”.
- 5) Set the [Image Settings] feature option to “Color (Original)”, this will instruct the software to improve the color quality of the output image.
- 6) Set the [Output Format] feature to “JPEG”. This will instruct the software to output the image file in JPEG format.
- 7) Click on the [Scan] button in the upper-right corner, then you should see a JPEG file created in the file column on the right side.



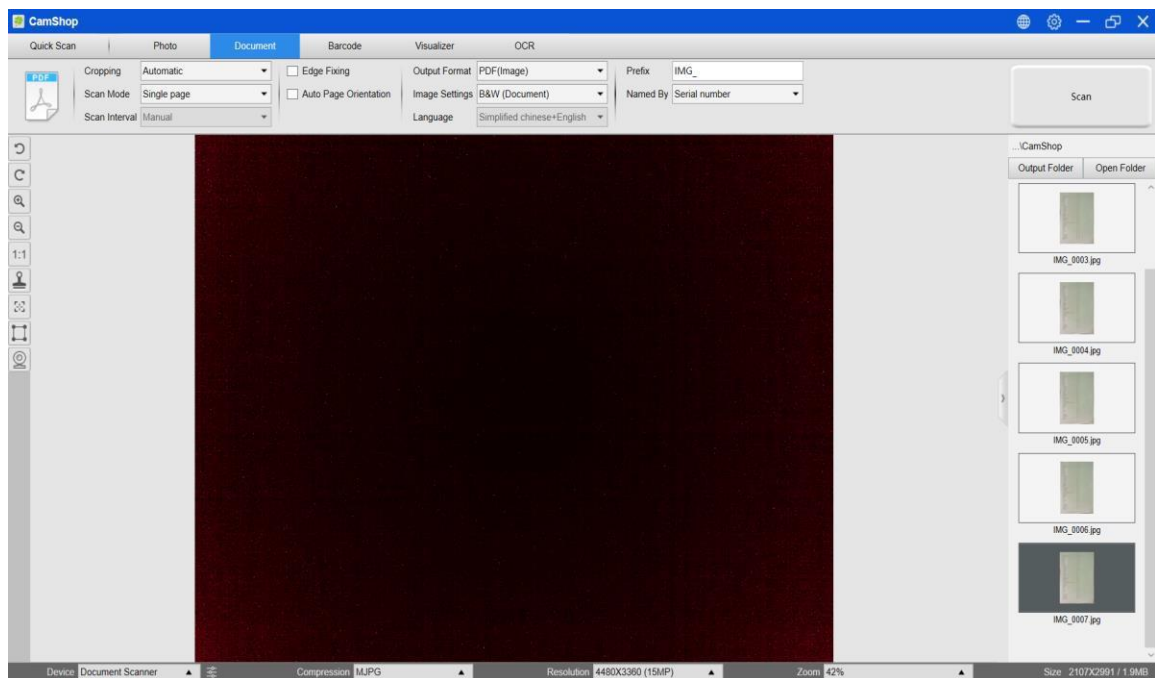
**NOTE:**

Avoid scanning documents near windows or other environments with particularly strong lighting. Excessively bright ambient lighting will affect the image’s saturation and may affect scanning results.

## 7.2 Scanning a document and saving it as a PDF file

To scan a single-page document and save it as a PDF file, you can follow the steps below:

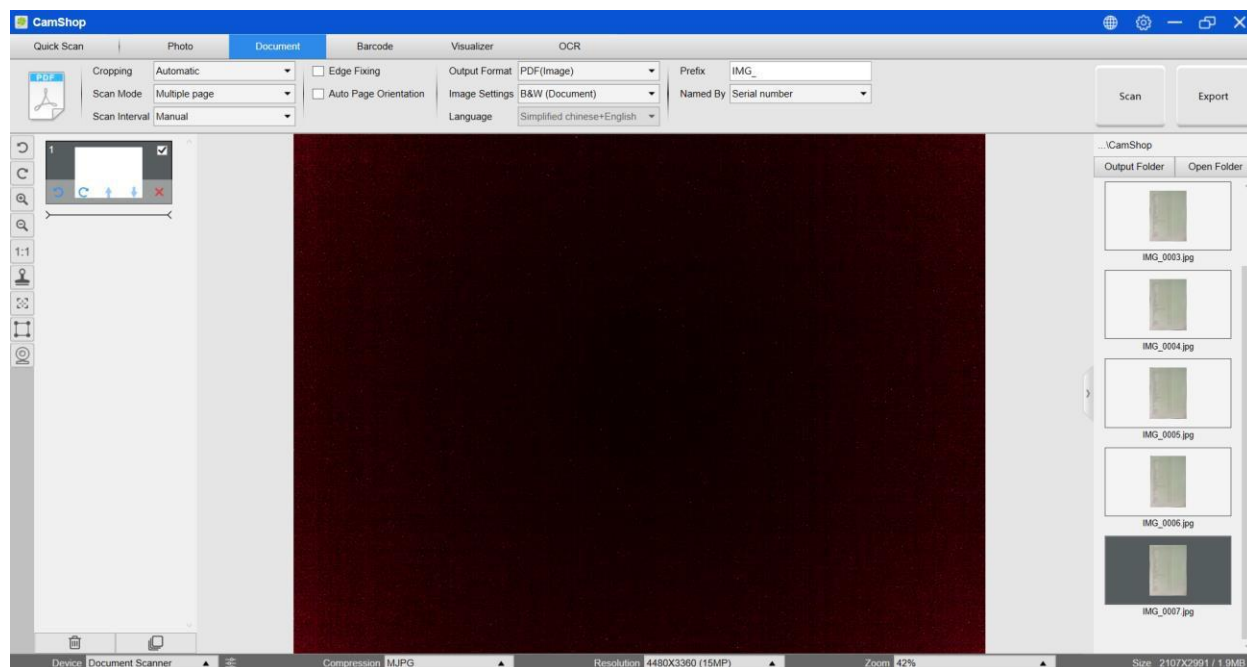
- 1) Click on the [Document] function on the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”, this will instruct the software to search for a single relevant document in the preview window and crop out a good image. Once a suitable object is detected, you will see a green color box drawn around this object in the preview window.
- 3) Set the [Scan Mode] feature option to “Single page”, this will instruct the software to only capture one page of the document.
- 4) Set the [Scan Interval] feature option to “Manual”.
- 5) Check “Edge Fixing” and “Auto Page Orientation” on the menu bar if necessary.
- 6) Set the [Output Format] feature option to “PDF (Image)”. This will instruct the software to output the image file in the PDF format.
- 7) Set the [Image Settings] feature option to “B&W (Document)”. This will instruct the software to output the image file in the B&W and remove some undesired shadows.
- 8) Click on the [Scan] button in the upper right-hand corner, then you should see a PDF file has been created in the file column on the right side.



## 7.3 Scanning a multi-page document into a PDF file

To scan a multi-page document into a PDF file, you can follow the steps below:

- 1) Click on the [Document] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”
- 3) Set the [Scan Mode] feature option to “Multiple Pages”, this will instruct the software to capture multiple pages of the document.
- 4) Set the [Scan Interval] feature to “Manual”, this will instruct the software to wait for a user command for each capture. (You can also select “Automatic” options to let the software self-detect the page flipping process, or use “Repeat (5/7 sec)” options to let the software repeatedly scan images after 5 or 7 seconds.)
- 5) Set the [Name By] feature option to “Serial” or “Date & Time”.
- 6) Set the [Image Settings] feature option to “B&W (Document)”.
- 7) Set the [Output Format] feature option to “PDF (Image)”.
- 8) Click on the [Scan] button in the upper right-hand corner to scan one page, then you should see a new page has been added on the left side in the preview column.
- 9) After all pages have been scanned, click on the [Export] next to [Scan] button, then you should see a new PDF file created in the file column on the right side.



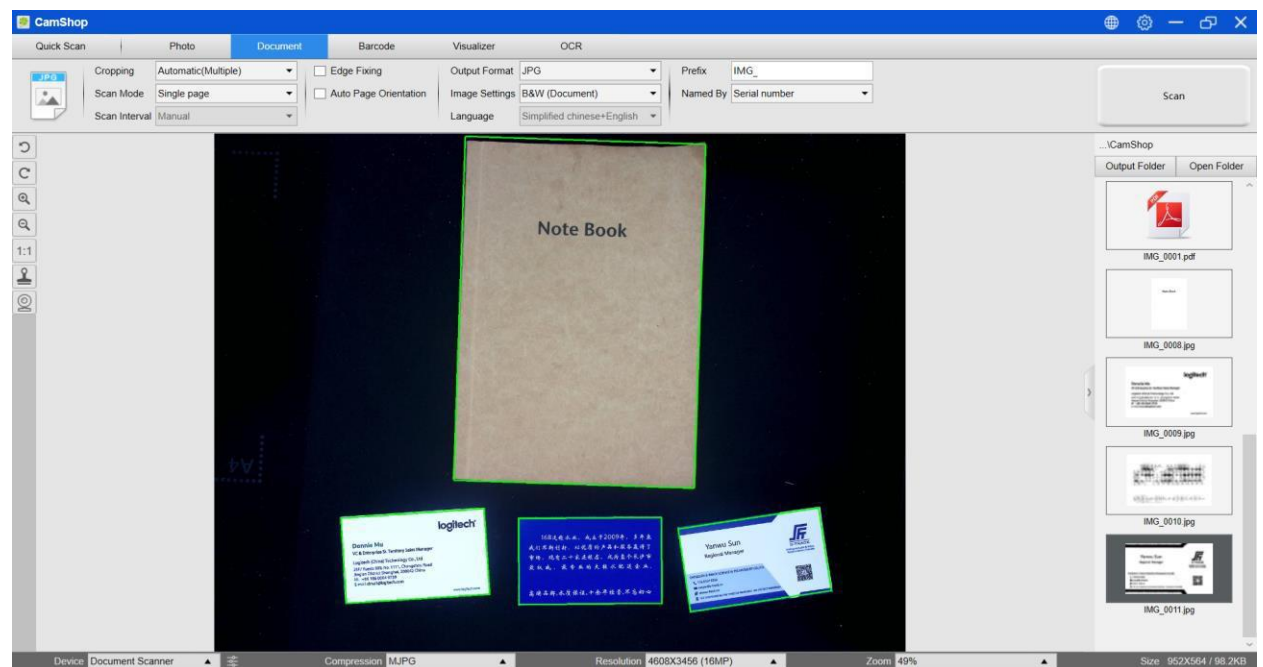
### NOTE:

During the image scan process, you can manipulate the temporary images in the preview column on the left side, such as rotate the image, move an image up or down the list, delete the image, or insert a new image. You can also click on the [Clear] button to delete all images when you are done.

## 7.4 Using the crop feature to scan multiple images at the same time

To use the crop feature to scan multiple images at the same time, you can follow the steps below:

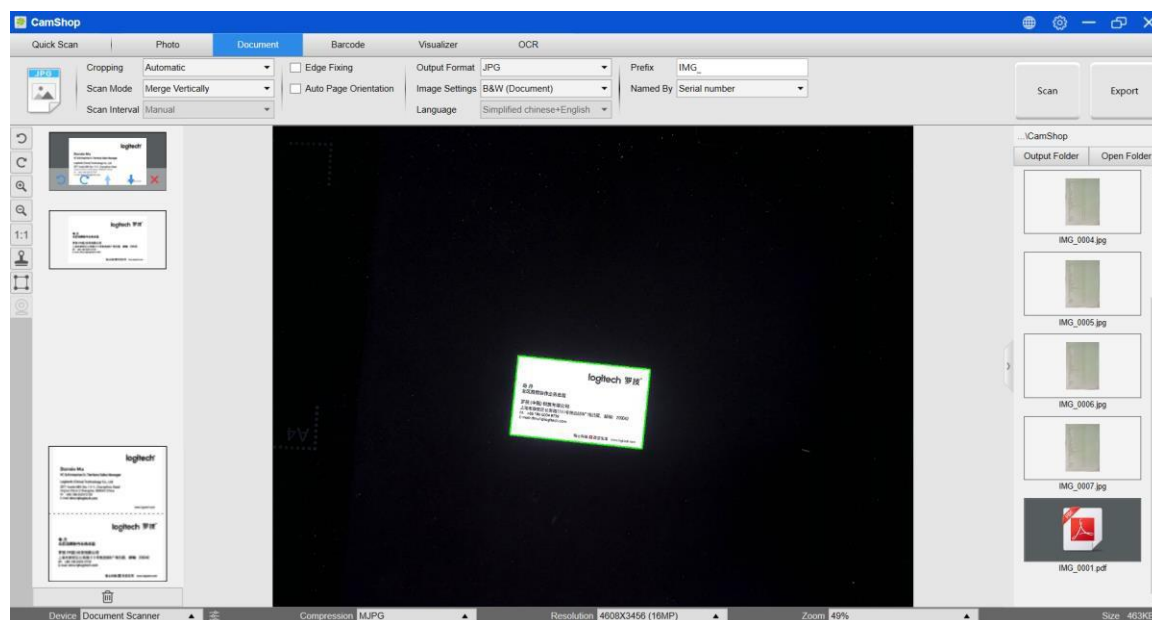
- 1) Click on the [Document] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic (Multiple)”. This will instruct the software to search for multiple objects in the preview window and crop out as many images as possible. A green color box will be drawn around any suitable objects that have been found in the preview window.
- 3) Set the [Scan Mode] feature option to “Single Page”.
- 4) Set the [Scan Interval] feature to “Manual”.
- 5) Set the [Output format] feature option to “JPEG”.
- 6) Click on the [Scan] button in the upper right-hand corner, then you should see multiple image files have been created.



## 7.5 Photocopying both sides of a business card into one page

To photocopy both sides of a business card image into one page, you can follow the steps below:

- 1) Click on the [Document] function on the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”.
- 3) Set the [Scan Mode] feature option to “Merge Vertically”, this will instruct the software to capture both sides of a document and merge it into one image in a top-down manner. When this option is selected, you will see a preview column shown on the left, in which the temporary images will be displayed.
- 4) Set the [Image Settings] feature option to “B&W (Red Stamp),” this will instruct the software to keep the red content and remove some undesired shadows, as shown below.
- 5) Set the [Output Format] feature option to “PDF (Image)”. This will instruct the software to output the image file in PDF format.
- 6) Click on the [Scan] button in the upper right-hand corner, then you should see a new page has been added on the left side in the preview column; Flip the business card over, then click on the [Scan] button again, and you should see the images of both sides of this business card have been captured.
- 7) Right-click the PDF file you just created in the file column on the right, and select [Print] from the menu that appears to print from a chosen printer.

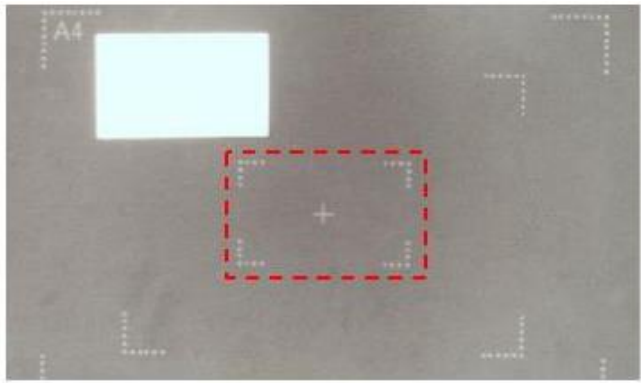

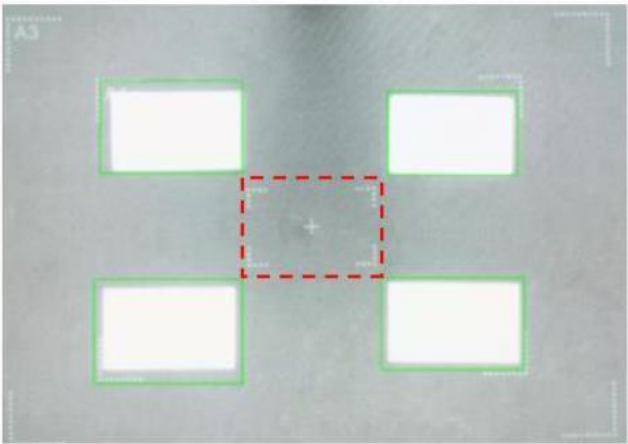



### NOTE:

In order to use this Photocopy function, you need to have a USB printer linked to your computer or a network printer linked to your network. The document camera can help capture and scan a document, but you will need a printer to ultimately get the result onto paper.

## 7.6 Scanning a good-quality image of a business card

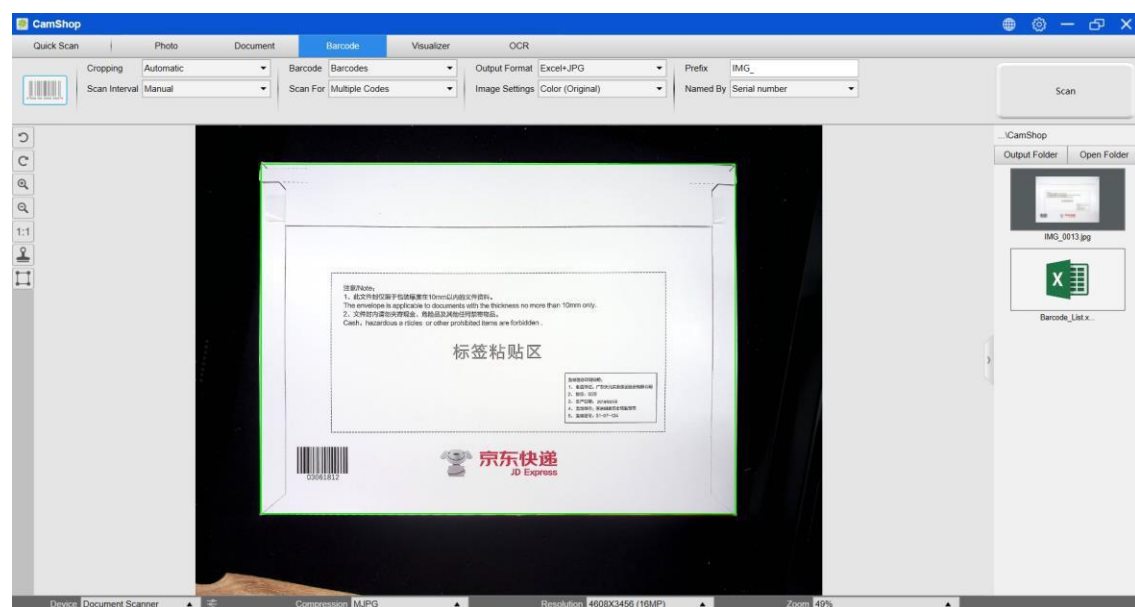
- 1) Click on the [Document] function on the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic” for scanning a single card or “Automatic (Multiple)” for scanning multiple cards
- 3) In order to get the best image quality, please place the card in the middle of the scanning area. This will make sure the AE (Auto-Exposure) algorithm will not over-expose the photo during the capturing process and cause the image to be too bright

Scan single business card	
Incorrect Position	Correct Position
	
Do not place the business card without aligning it in the center of the scanning area.	To scan individual business cards, please place the card close to the position mark in the center of the scanning area.
Scan multiple business cards	
Incorrect Position	Correct Position
	
Do not leave a space in the center of the scanning area when scanning with multiple business cards like the above example.	To scan multiple business cards, please place at least one business card in the center of the scanning area. Otherwise, the image will be over-exposed.

## 7.7 Scanning barcodes and saving the result in an EXCEL file

To scan barcodes and save the result in an EXCEL file, you can follow the steps below:

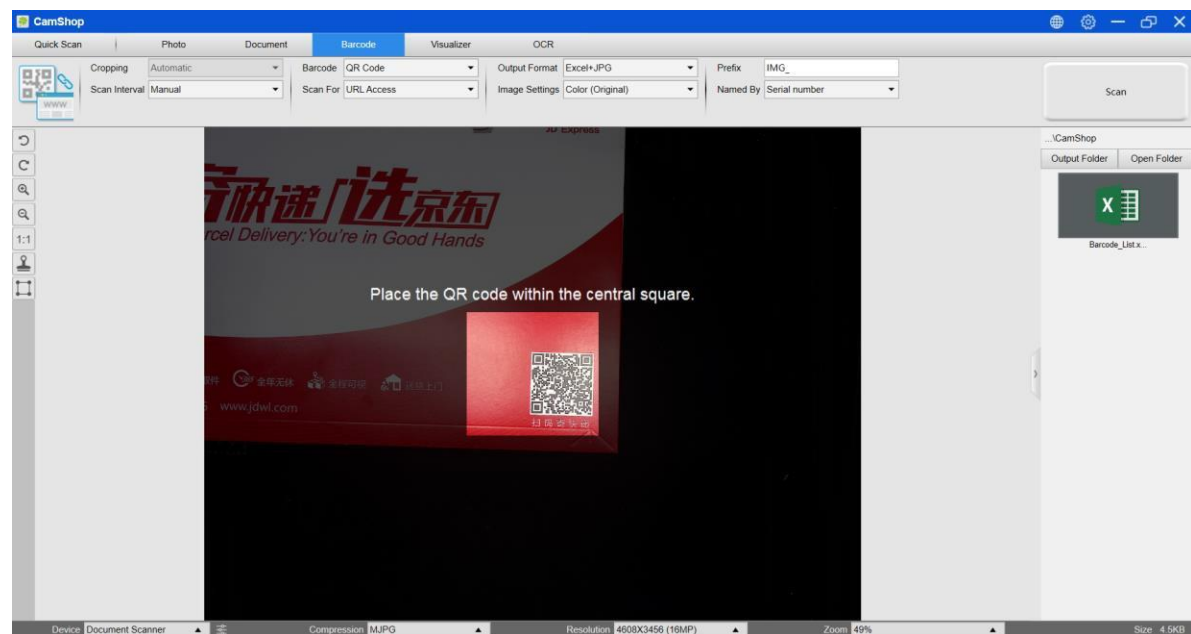
- 1) Click on the [Barcode] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”.
- 3) Set the [Scan Interval] feature option to “Manual”.
- 4) Based on the barcode type, select “Barcode” or “QR Code” from the [Barcode] feature option.
- 5) Set the [Image Settings] feature option to “Color (Original)”.
- 6) Set the [Output Format] feature option to “Excel + JPEG”. This will instruct the software to output the scanned barcode in an EXCEL file and keep an image file (you can also select “Text + JPEG” option to output the scan result into a text file and save the image).
- 7) Set the [Name By] feature option to “Barcode”. This will instruct the software to save the image file and name it with the barcode number scanned from this image.
- 8) Click on the [Scan] button in the upper right-hand corner. You should see an EXCEL file pop up with scanned barcode value stored in it.



## 7.8 Scanning QR codes to access the website immediately

To scan a QR code and automatically execute its URL after scanning, you can follow the steps below:

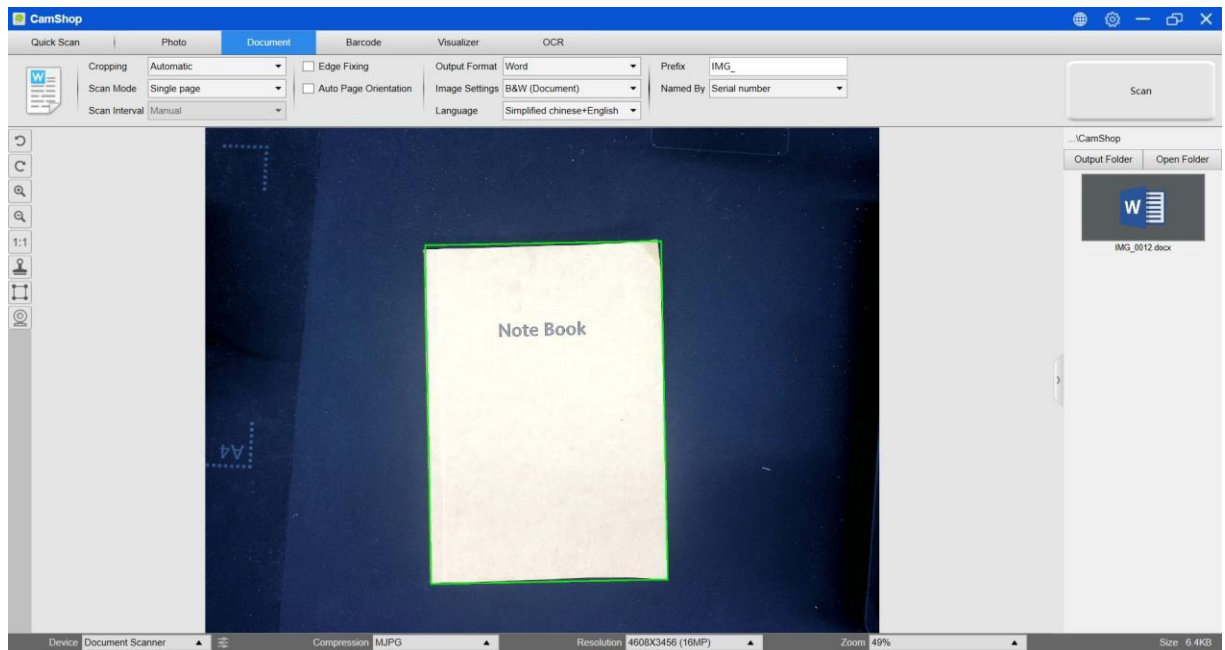
- 1) Click on the [Barcode] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”.
- 3) Set the [Scan Interval] feature option to “Manual”.
- 4) Set the [Barcode] feature option to “QR code”.
- 5) Set the [Scan for] feature option to “URL Access”.
- 6) Set the [Output Format] feature option to “Excel + JPEG”, this will instruct the software to output the scanned barcode in an EXCEL file and keep an image file (you can also select “Text + JPEG” to output the scan result into a text file while keeping an image).
- 7) Set the [Image Settings] to “Color (Original)”.
- 8) Place the QR code within the central square.
- 9) Click on the [Scan] button in the upper right-hand corner. The software will automatically execute the URL after scanning.



## 7.9 Scanning a multi-page document into a Word file by using the OCR function

To scan multi-page documents and create OCR in a Word file, you can follow the steps below:

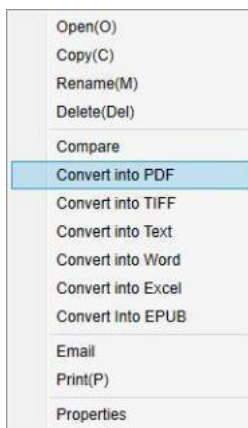
- 1) Click on the [Document] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”.
- 3) Set the [Scan Mode] feature option to “Multiple pages”.
- 4) Set the [Scan Interval] feature option to “Manual”.
- 5) Set the [Output Format] feature option to “Word”, this will instruct the software to output the scanned result into a Word file.
- 6) Based on the content of document, select Recognize Language from the [Language] feature option.
- 7) Set the [Name By] feature option to “Serial” or “Date & Time”.
- 8) Click on the [Scan] button in the upper right-hand corner to scan multiple pages.
- 9) After all pages have been scanned, click on [Export] next to [Scan] button, then you should see a new Word file has been created in the file column on the right side.



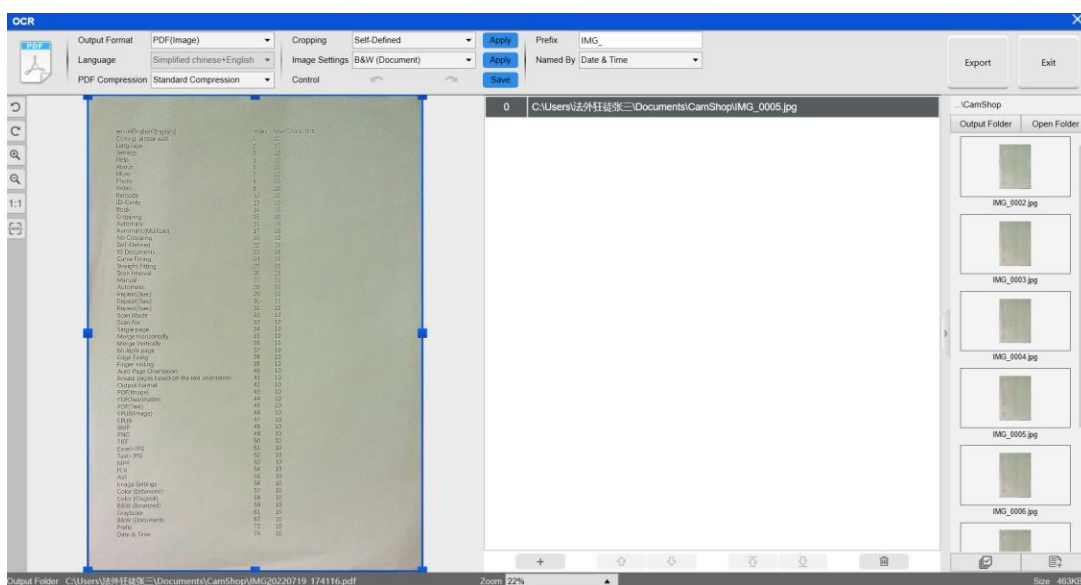
## 7.10 Combining multiple image files into one PDF file

If you have captured multiple images in your file directory, you can easily combine them into one PDF file:

- 1) In the file directory column shown on the right-hand side of the main control window, you can push and hold the “Shift” key or the “Ctrl” key while you use your mouse to click and select multiple JPEG image files.
- 2) Right-click on these selected image files, and then you should see a pop-up window with multiple options.



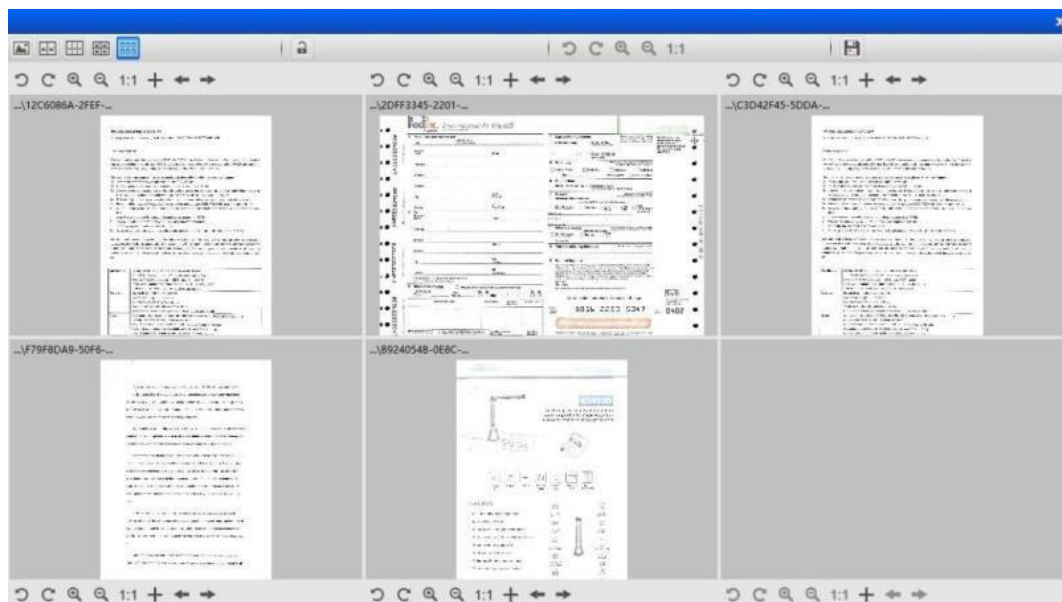
- 3) Please select the [Convert into PDF] option, then the PDF Creating Tool window will appear.
- 4) In the PDF Creating Tool window, you can Add, Delete, Move Up, or Move Down an image, or you can adjust the PDF file size. In addition, you can also name the File Name for the targeted output PDF file.
- 5) When you are ready, please click on the [Export] button to create a PDF file.



## 7.11 Comparing multiple images in one window

If you have captured multiple images in your file directory, you can easily compare them side-by-side by using the Image Comparing feature:

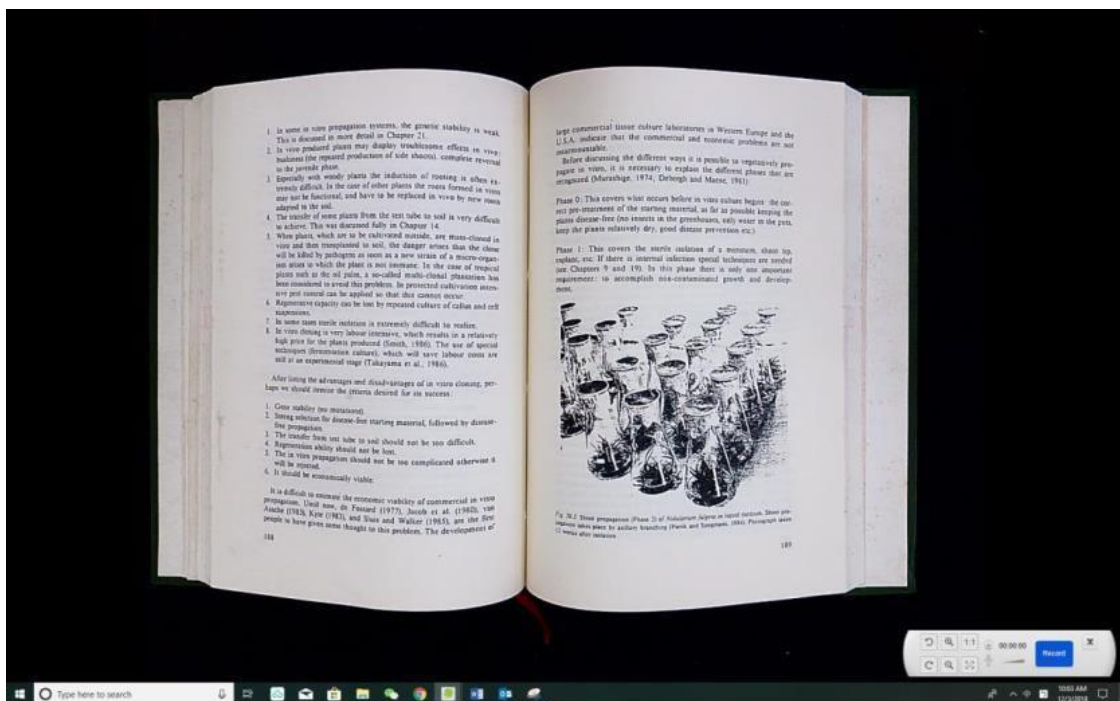
- 1) In the file directory column shown on the right side of the main control window, you can push and hold the “Shift” key or the “Ctrl” key while you use your mouse to click and select multiple JPEG image files.
- 2) Right-click on these selected image files, and then you should see a pop-up window with multiple options.
- 3) Please select the “Compare” option, then the Image Comparison window will appear.
- 4) You can select up to 6 images and compare them in the same window.
- 5) Use the “Lock/Unlock” option. You can rotate or zoom in on each individual image or apply these functions to all images.



## 7.12 Using the Visualizer function in the classroom

You can use this software with a document camera as a powerful Visualizer. First, you will need to connect your Notebook PC to a projector, and project your computer screen onto the projector. Then launch this document camera software, and follow the following procedures:

- 1) Click on the [Visualizer] function in the top menu bar.
- 2) Set the output format from the [Video Format] feature option.
- 3) Set the audio input from the [Audio Settings] feature option.
- 4) Set the [Name By] feature option to “Serial” or “Date & Time”.
- 5) If necessary, click the Pencil tool from the left side toolbar to freely draw or annotate the displayed image.
- 6) Click on the [Full Screen] button to enter Full Screen mode.
- 7) You can also use the Rotation and Zoom buttons to control the preview video.




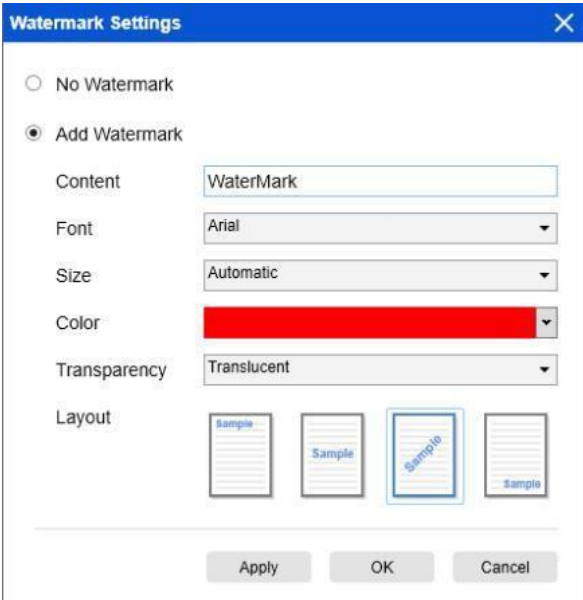
### NOTE:

- 1) This [Full Screen] display button is only available under the [Visualizer] function mode.
- 2) You can also use [Record] feature in the [Visualizer] function mode to record a video clip.

## 7.13 Adding a Watermark to a scanned document

To add a common watermark such as DRAFT or CONFIDENTIAL to your scanned document, you can follow the steps below:

- 1) Click on the [Document] function on the top menu bar
- 2) Click on the Watermark  tool from the left side toolbar to bring out the Watermark setting dialog box.
- 3) In the Watermark setting dialog box, select [Add Watermark].



The Watermark Settings dialog box is shown with the following options:

- No Watermark
- Add Watermark
- Content: WaterMark
- Font: Arial
- Size: Automatic
- Color: Red
- Transparency: Translucent
- Layout: Four sample thumbnails are shown, with the third one (diagonal watermark) selected.

Buttons at the bottom: Apply, OK, Cancel.

- 4) Type your watermark text in the [Content] box. You can try different fonts, font sizes, colors, and transparency, and choose a layout.
- 5) Click [OK] to apply the Watermark settings to your document. Now you can try to scan a document with the added Watermark

(Original)



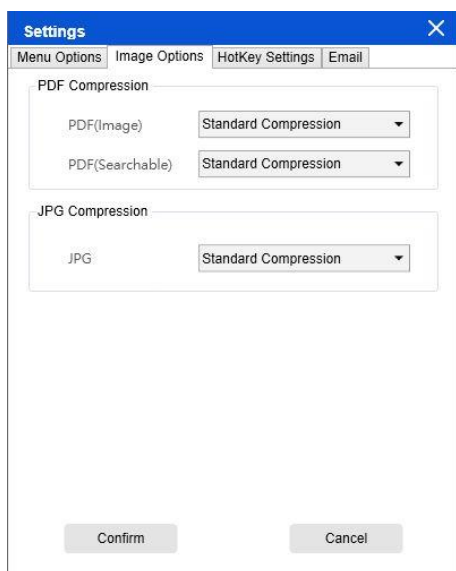
(Added Watermark)



## 7.14 Configuring the PDF Settings

The documents you process with this software can be saved as PDFs utilizing various options. The following steps are here to help you to set the detailed settings of your PDF file.

- 1) Click on the [Settings] icon in the upper-right corner of the main window and select “Settings” from the drop-down list.
- 2) Click the [Image Options] tab at top in the dialog box.



- 3) In the [Image Options] panel, you can make configure the PDF as low, standard, or high file compression from the drop-down list of each type PDF format.



- 4) Click [Confirm] to apply the PDF settings to your document

### PDF (Image)

When you select this file type, CamShop doesn't execute the text recognition on your document. Your PDF file will not be text-searchable. It will only contain the image of your original document.

### PDF (Searchable)

This file type is most commonly used. It contains double layers: the recognized text, and the original image on top of the text. This way, you have both access to the recognized text and you still see the original image.

## 8. FAQs (Frequently Asked Questions)

**Q1: Why am I seeing the video from the Webcam instead of the document camera?**

A1: Please select the correct camera device by clicking on the [Device] setting at the lower left corner of the main window, and then select the correct document camera device.

**Q2: Why are there some noises (black dots) on my scanned document?**

A2: When scanning a black and white document, please choose “B&W (Red Stamp)” option from [Image Settings] feature settings for better image quality.

**Q3: Why are there shadows on my scanned document?**

A3: Please choose the “B&W (Red Stamp)” option from the [Image Setting] feature settings and try again.

**Q4: How can I merge multiple documents into one PDF?**

A4: Please choose the “Multiple Pages” option in the [Scan Mode] feature setting, and please choose any type of PDF the [Output Format] feature settings.

**Q5: Why can't the document be detected?**

A5: Please make sure the document is on the soft black mat or try to restart the software again.

**Q6: Why does the image appear to be over-exposed? The text can't be seen.**

A6: Please place the subject close to the center of the scanning area.

**Q7: After capture, where are the images stored?**

A7: Please click the “Open Folder” button on the right side of the main window. The default path is “My Document”, in addition, you can also set the storage path by clicking the [Select] button.

## 9. Specifications

Type	Document Camera
Image Sensor	CMOS
Color Depth	24-bit
Shooting Area	430 mm x 324 mm
Resolution	13 megapixels
Shooting Speed	1 sec/page
File Format	Still Image: BMP, JPG, PNG, TIF, PDF, etc. Video Clip: AVI, MP4, FLV
Video Clip	5 fps @3264 x 2448 30 fps @640 x 480
Fill Light	4 LEDs
Barcode Recognition	1D, 2D, QR code
Interface	USB 2.0
Power Supply	5V, 2A by USB powered
OS Support	Windows XP / 7 / 8 / 10 / 11
Dimensions (LxWxH)	266 x 85 x 355.5 mm (Unfold) 85 x 75 x 355.5 mm (Folded)
Net Weight	750 g