

Intelligent Book Scanner User Manual



Masi et al (1980) showed that adventitious shoots which were obtained from tobacco callus cultures infected with the virus were virus-free, the virus was absent with the development of adventitious shoots for three months.

The first virus-free plants by the adventitious shoot method in vitro were obtained by Masi et al (1974) and by the adventitious shoot method in vitro by Masi et al (1980). The adventitious shoot method in vitro is a very important method for the production of virus-free plants. It is a very important method for the production of virus-free plants. It is a very important method for the production of virus-free plants.

18.2.1. Virus-free plants produced from callus and protoplasts

In 1962 Cooper (see Hildebrandt, 1977) showed that after a few weeks, virus-free tobacco callus can become virus-free, apparently virus-free callus can be obtained in TAU (tobacco adventitious tissue) culture. The results of Cooper (1962) were later confirmed by Chang and Hildebrandt (1967), who showed that virus-free callus and protoplasts which appeared in tobacco callus cultures were virus-free. Hildebrandt (1977) showed that virus-free callus and protoplasts from tobacco leaves which were made virus-free by heat treatment.

Masi et al (1982) showed that virus-free callus and protoplasts from tobacco leaves which were made virus-free by heat treatment. Masi et al (1982) showed that virus-free callus and protoplasts from tobacco leaves which were made virus-free by heat treatment.

18.2.2. Virus identification

It cannot be visually determined that a plant is virus-free (free of the known viruses) since there are many latent virus infections. The most reliable method for the identification of virus-free plants is the use of electron microscopy (Mackay et al, 1980; Reuther and Sonnenschein, 1981; Masi and Schuring, 1981).

The plants, the sap from one of the plants to be assayed is inserted into the leaf of a test plant, which has already been treated with a virus-free plant. If virus is present in the sap then after a few days the test plant begins to show characteristic symptoms. Characteristic symptoms and many different species of tobacco viruses are of this type of assay. The length of time needed for the development of extensive growth inhibition

It is not possible to induce a meristem to grow, or a shoot obtained from meristem culture will not form roots, then it is possible to graft the meristem onto a virus-free (seedling) rootstock, which is grown or produced in vitro. Grafting is extremely important with woody species. The first successful grafting was carried out by Masi and Martin (1975) with tobacco. The first successful grafting of Citrus was carried out by Liu et al (1977) and Averis et al (1972), working with Citrus and the main grape (Ampelopsis). Later other plants were used such as sorghum and the main grape (Ampelopsis). A review of the grafting of Citrus is given by Liu et al (1985). Later other plants were used such as sorghum and the main grape (Ampelopsis). A review of the grafting of Citrus is given by Liu et al (1985). Later other plants were used such as sorghum and the main grape (Ampelopsis). A review of the grafting of Citrus is given by Liu et al (1985).

18.2.3. Grafting of meristems on virus-free (seedling) rootstocks (micrografting)

It is not possible to induce a meristem to grow, or a shoot obtained from meristem culture will not form roots, then it is possible to graft the meristem onto a virus-free (seedling) rootstock, which is grown or produced in vitro. Grafting is extremely important with woody species. The first successful grafting was carried out by Masi and Martin (1975) with tobacco. The first successful grafting of Citrus was carried out by Liu et al (1977) and Averis et al (1972), working with Citrus and the main grape (Ampelopsis). Later other plants were used such as sorghum and the main grape (Ampelopsis). A review of the grafting of Citrus is given by Liu et al (1985). Later other plants were used such as sorghum and the main grape (Ampelopsis). A review of the grafting of Citrus is given by Liu et al (1985).

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Disclaimer

- The screenshots in this user's manual were made with Windows 10. If you are using other Windows system, your screen will look somewhat different but still function the same.
- Specifications of this software and contents of this user manual are subject to change without notice. Any modification, error correction, or feature updates made in the actual software may have not been timely updated in this user manual. User may refer to the actual software itself for more accurate detail. Any misprints, translation errors, or inconsistencies with existing software, will be updated as soon as possible.

Disposal of Waste Equipment by Users in Private Households in the European Union

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment.



Safety Introduction

1. Please read this safety information carefully before using the product.
2. After reading this Safety Introduction, please make sure to keep it in a place where you can easily access it while using the product.
3. The following safety precautions are intended to assist you in enjoying the safe and correct use of this product and preventing unwanted accidents or damage.

Safety Precautions:

1. Do not use or store this product in direct sunlight or near hot objects, as this may result in fire due to excessive heat.
2. Do not place containers filled with liquids such as vases, flowerpots, cups, cosmetics and chemicals near this product. Otherwise, this may result in personal injury or death due to fire or electric shock.
3. Do not use this product if liquids such as water, chemicals or oil has been spilled on the product.
Otherwise, this may cause fire or electric shock.
4. Do not use this product in a place near alcohol, banana oil, or other flammable liquid and avoid use of inflammable sprays near this product.
Otherwise, this may result in fire or serious injury due to explosions or outbreaks of fire.
5. Wet hands are not advised for contact with this product. Otherwise this may cause fire and electric shock.
6. Do not disassemble, modify, or repair the product. Otherwise, this may cause malfunction or cause electric shock.
7. Do not direct the LED light toward to your eyes. Otherwise, this may cause damage to your eyesight or loss of vision.

Warning:

1. Do not disassemble the product!
2. Disassembling the device may cause malfunction of the product.
3. Manufacturer is not responsible for problems caused by disassembling the product by users or unauthorized personnel.
4. Do not install the device in an area prone to static electricity.
5. Do not install the product in a humid or dusty area.
6. Be careful not to spill liquids such as water, chemicals, or oil on the product.
7. Do not apply excessive shock to product.
8. Do not apply excessive beading or shock to the scanner and cable.
9. Always read and follow the user manual when using or removing the product.

Product Introduction

The intelligent book scanner provides a new perspective on book scanning. Easily scan documents, receipts, name cards, books, booklets or magazines directly without cutting or damaging them.

This book scanner bundles an intelligent book scanning software, providing extremely useful features and integrated with many imaging algorithms such as page turning detection. which can automatically scan when detecting a page has been turned; it can also enhance the text of scanned documents with background color purification; recognize the documents by using the built-in OCR function; correct for curved pages and erase fingers from the scanned image; it quickly scans and easily converts scanned pages into more useful formats such as JPEG, PDF, searchable PDF, Word, Excel, and Text files.

In addition, this software integrates very useful algorithms, for example, automatically splitting double-page into two separate images. This allows large books to be scanned and archived very quickly.

WARNING: This software is usually distributed with a dedicated book scanner of a specific band and a model number. Only when utilizing the intended book scanner hardware can this software realize its full and powerful potential. When using non-qualified book scanners, some of features in this software may NOT work.

System Requirements

To ensure the performance of this scanner, the following hardware system requirements are necessary:

	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	4GB	2GB
Operating System	Win7 / Win8 / Win10	Win XP SP3
USB	USB2.0	USB2.0

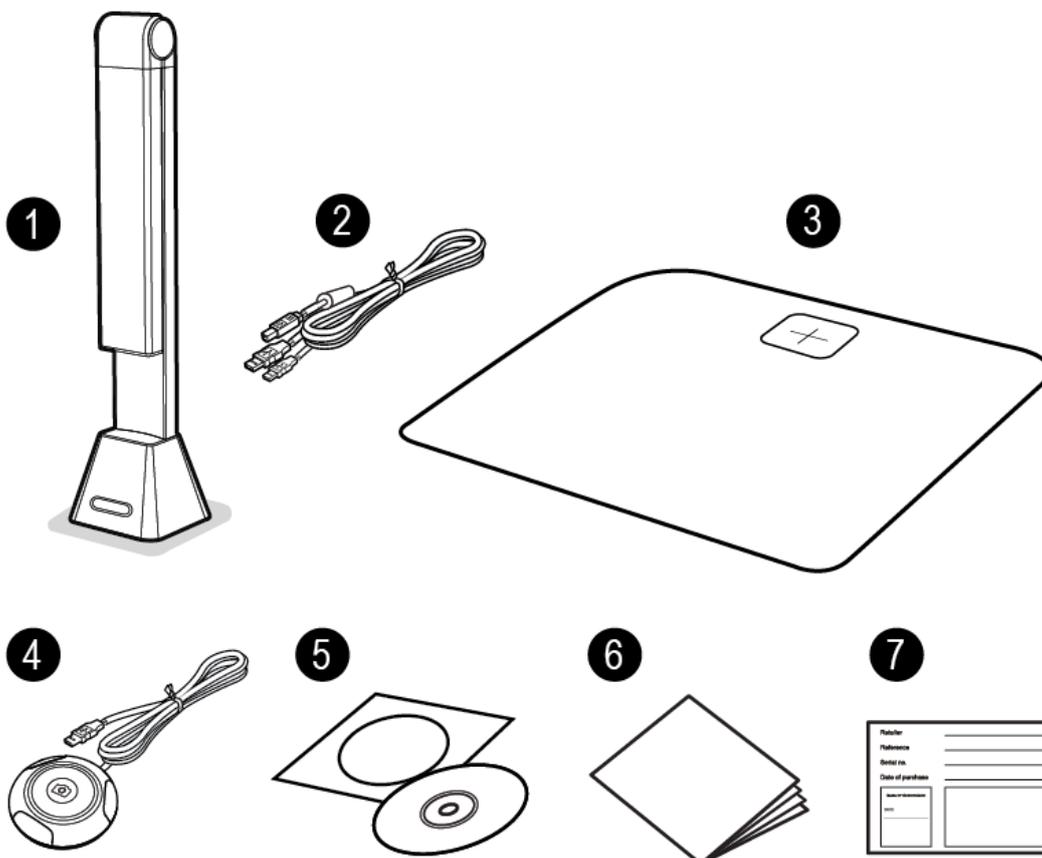
WARNING:

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

Package Contents

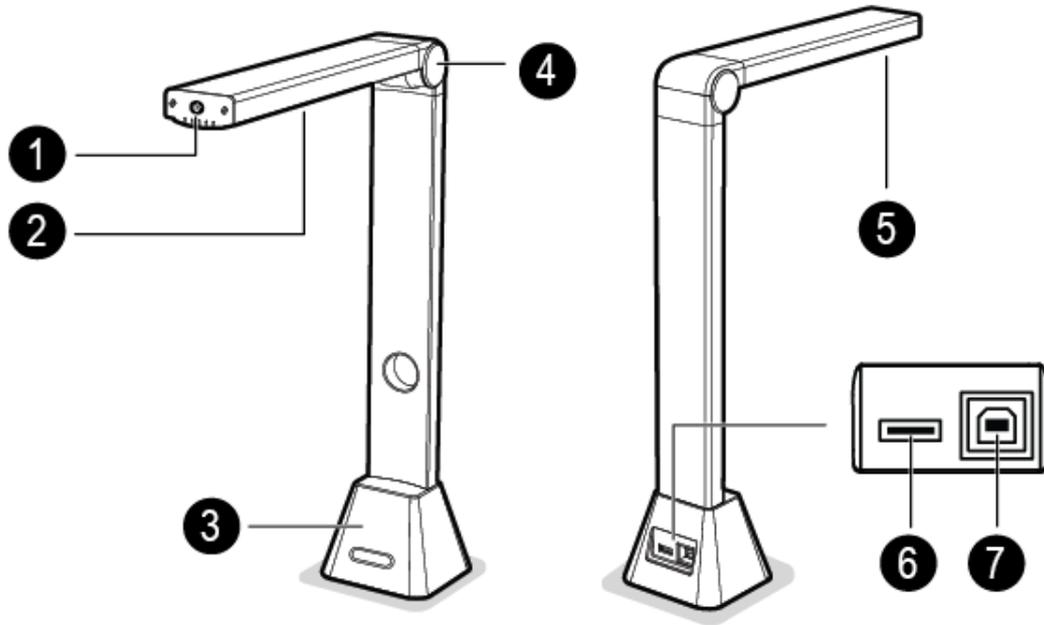
Make sure the following items are included in this package. If any items are missing or damaged, contact the dealer where you purchased the book scanner.

- (1) Book Scanner
- (2) USB cable
- (3) Soft Mat
- (4) External Shutter Button
- (5) Software CD
- (6) Quick Start Guide
- (7) Warranty Card

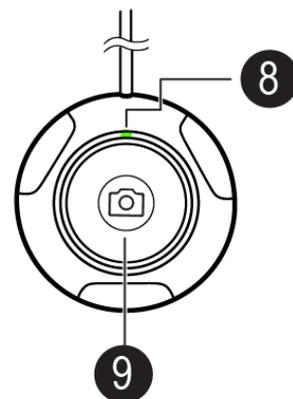


Parts and Functions

This section describes the physical components of the book scanner.



1. LED Touch Switch
2. LED Lamp
3. Base
4. Foldable Hinge
5. Camera Lens
6. USB Hub for External Button Connection
7. USB Jack for PC Connection
8. Status LED
9. External Shutter Button

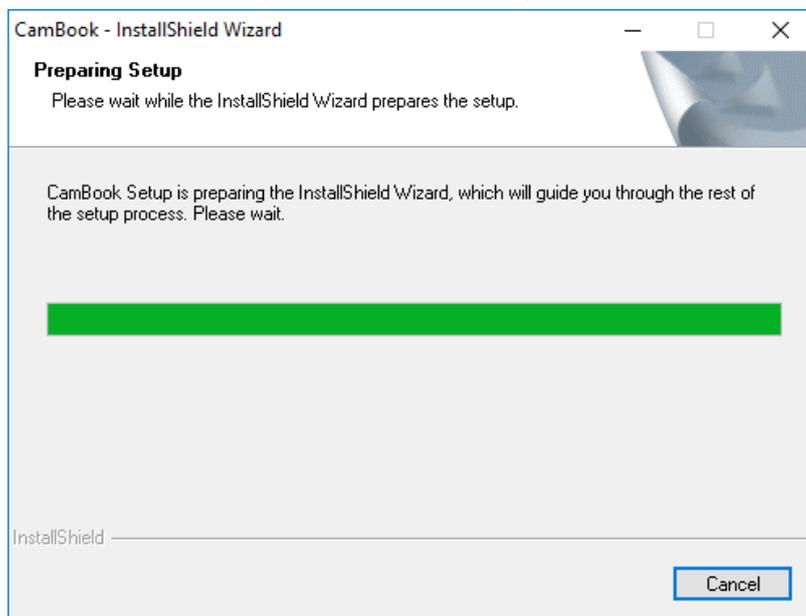


Installing the Software

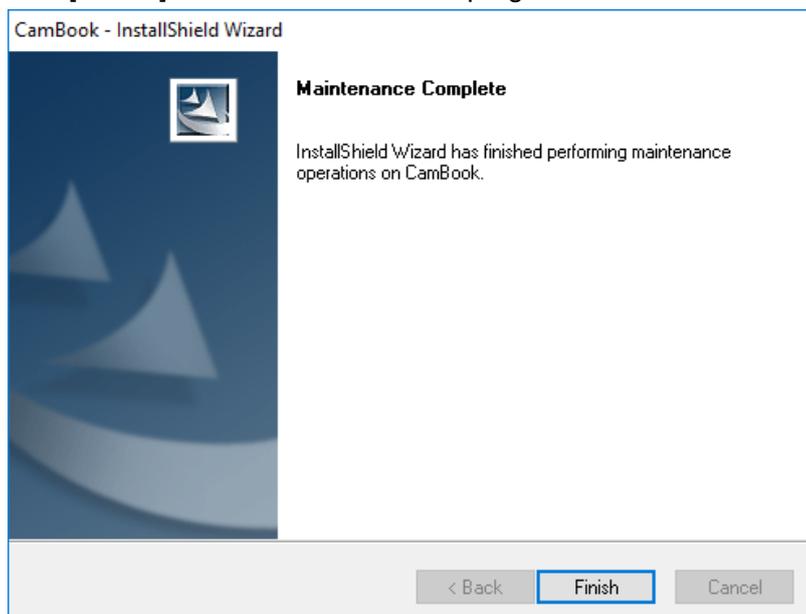
NOTE: Before installing this application software, it is recommended to close any antivirus programs or security software running on your system.

If you are installing this software from a download file, please double click the .exe file to start the installation process. If you are installing this software from a CD ROM, please insert CD ROM into your CD ROM driver, then the installation process may start automatically.

1. Once the installation process has started, please follow the on-screen instructions.

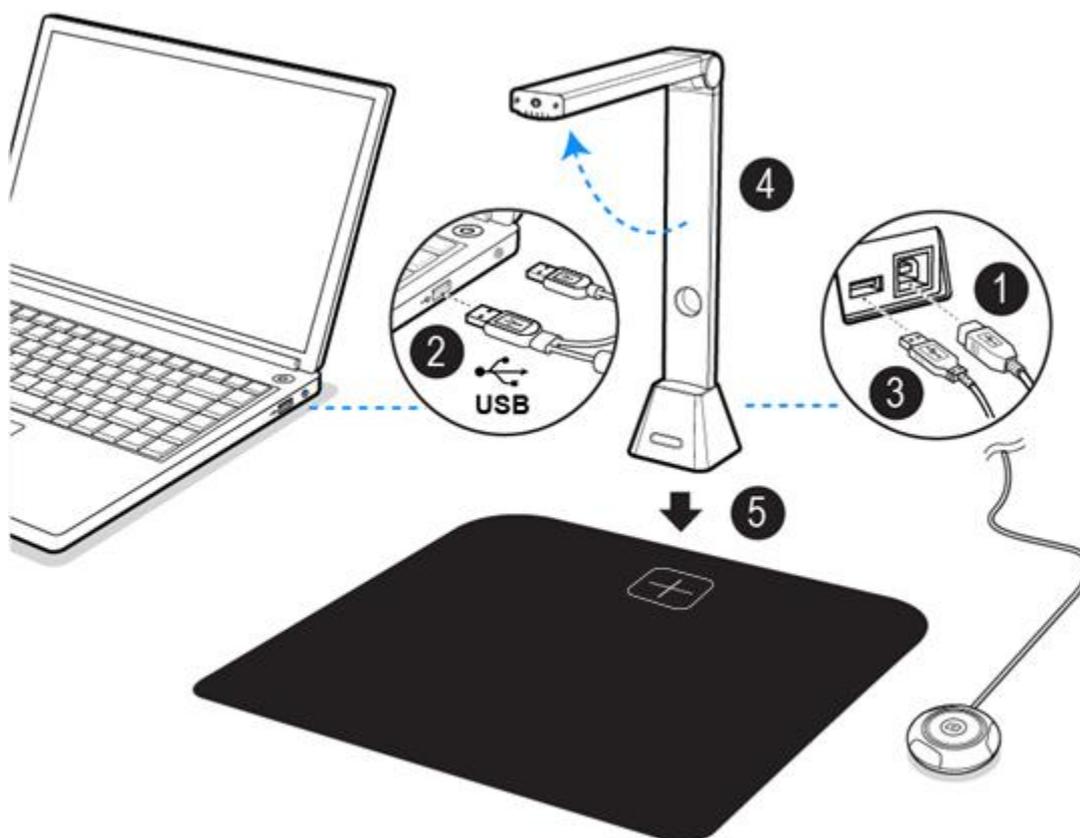


2. Click [**Finish**] to finish the installation program.



Connecting the Book Scanner

Before you start to use the scanner software, please make sure your book scanner device has been set up correctly. Please double check the following procedures before you proceed.

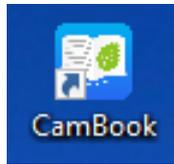


- 1) Connect the USB cable to the USB connector on the book scanner.
- 2) Connect the other end of the USB cable to your PC.
- 3) Connect the supplied external button to the USB hub on the book scanner.
- 4) Unfold the book scanner.
- 5) Put the book scanner on the Scan Mat and align on the [+] mark. (The dark color Scan Mat is used to ensure an optimal image and accurate cropping of the targeted objects).

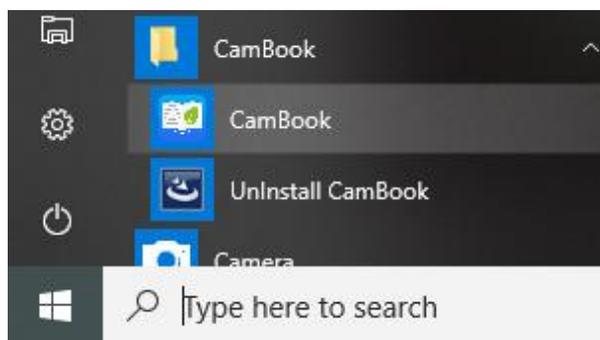
NOTE: When the USB cable is connected, please wait for a while until Windows has detected the camera device.

Getting Started

- To start the program, please double click on the CamBook scanning software icon on the desktop.

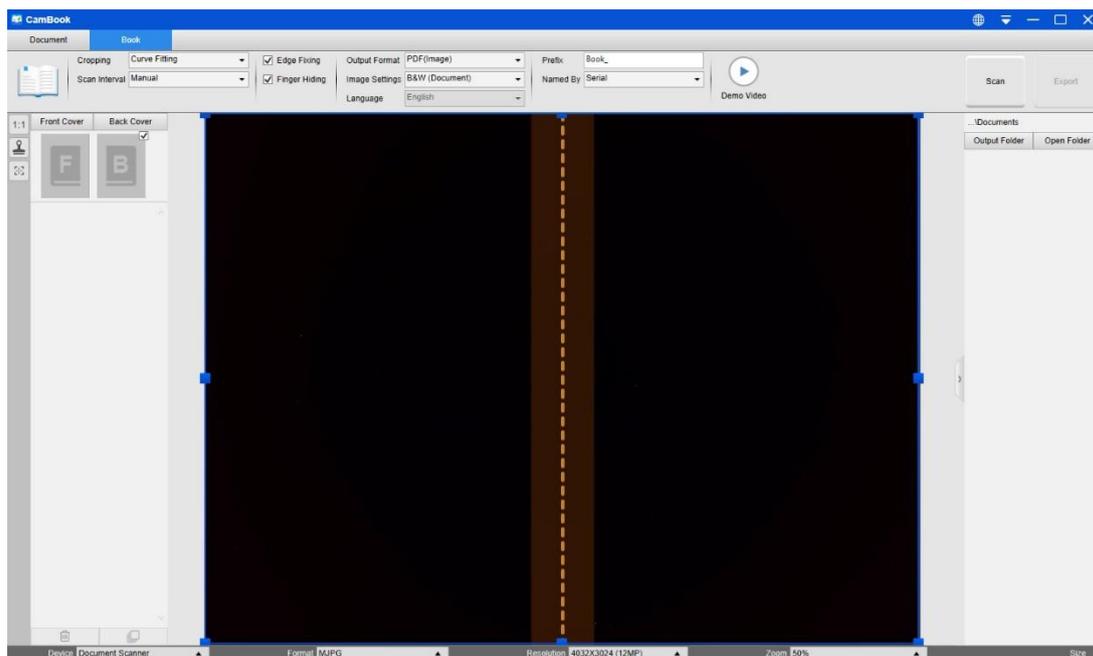


- Or start CamBook from the Windows Programs list:
Click the Windows Start Menu > All Programs > CamBook folder > CamBook.



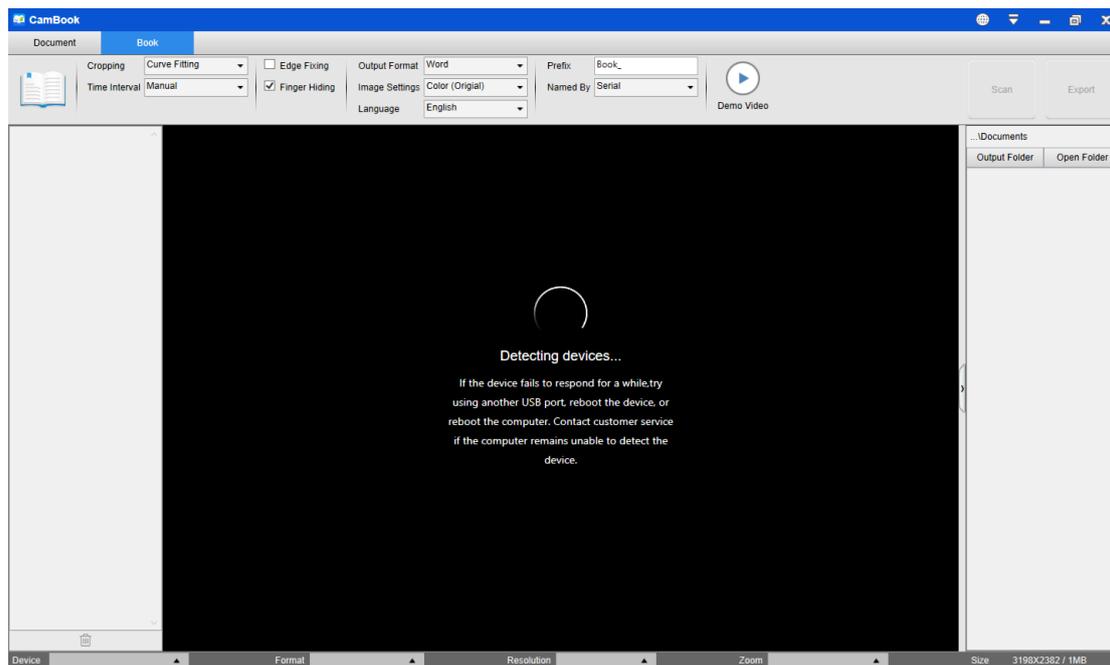
Main Window

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



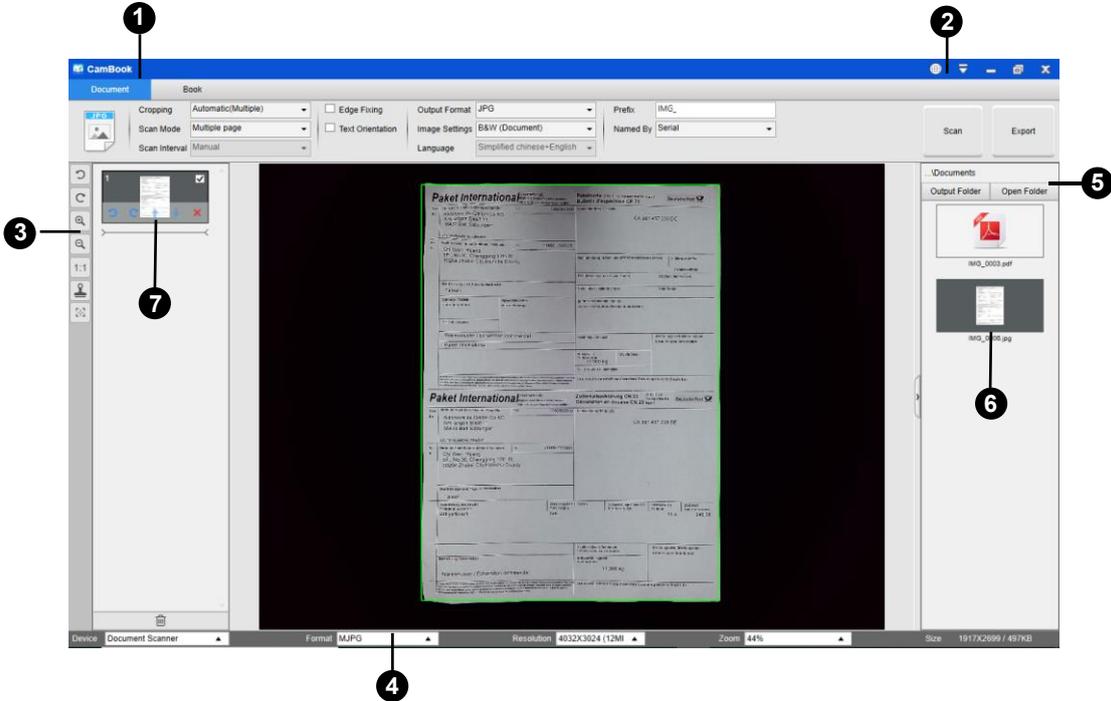
NOTE: If you don't see the real-time preview video from the camera device and a **[Detecting devices...]** message is displayed in the middle of the main window as below, please double check the following items sequentially.

- 1) Please make sure your hardware device is correctly connected to your PC via a USB cable.
- 2) Please make sure you have lifted up the book scanner's horizontal arm, which is supposed to be 90 degrees from its vertical stand. (If the camera arm is closed, then you will likely see a complete black video even if the camera is working correctly.)
- 3) Please try to connect the USB cable to another USB Port or reboot your PC.

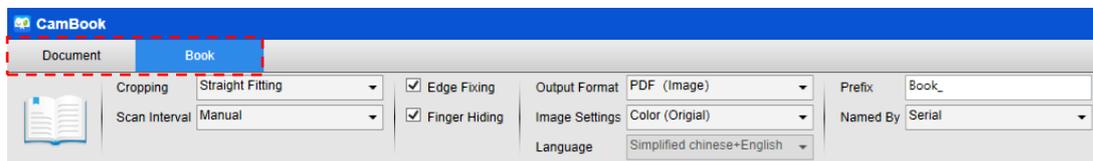


Control Panel

Here is the default look for CamBook control panel. You can make change with following settings:



(1) Function Tabs



There are 2 major functions available [**Document**] & [**Book**]. You can select different functional modes by clicking on the function names shown in the menu bar area.

Mode	Icons	Description
Document		The Document mode is used for scan documents, business cards, ID cards or any paper sheets, this mode provides many useful image processing features, such as repairing the damaged edges of documents or rotating pages based on text orientation, it allows scanning to a JPEG or PDF file directly, even creating OCR and then converting scanned files into editable Word/Text/Excel formats.
Book		The Book mode is used for scanning books or booklets. This mode provides many useful features, such as automatically scanning, erasing fingers, and flattening curved pages.

(2) Menu Control Settings

At the top of the main window, there are two control buttons available:

Buttons	Explanations	Note
	Language	Language settings for software UI
	Settings	<ul style="list-style-type: none">• Shows Tool Tip Settings• PDF Options• Help• About

(3) Toolbar

On the left side toolbar, there are many useful control tools available:

Buttons	Explanations	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 of the Function Modes
	Manual Cropping	Manual cropping for a scanning area
	Full Screen	
	Focus (Trigger the Auto-Focus action)	Only available for book scanners that support Auto-Focus feature

NOTE:

The “Focus” button may appear if and only if you have a book scanner that can support the Auto-Focus features. By clicking on this button, user can manually trigger the camera to adjust the lens focus again automatically.

(4) Device Settings

At the bottom of the main window, there are some control settings for the camera device:

Button	Explanations
Device	Selecting camera devices
Format	Selecting the camera video output format
Resolution	Selecting the camera video resolution

NOTE:

- In the [Format] options, there are usually two options, YUV or MJPEG. YUV is an uncompressed video format, and MJPEG is a compressed video format type. Selecting MJPEG format will allow for a higher video frame rate than selecting the YUV format, but not all camera devices support MJPEG format option.
- In the [Resolution] options, selecting higher resolutions will cause a lower video frame rate. If you are capturing a still image or scanning a document, please select the highest resolution available. If you are using this device as a visual presenter, then selecting a lower resolution may bring a smoother video experience.

(5) File Save Settings

On the right-hand side of the main window, there are options for setting the directory for saving files:

Button	Explanations
Select	Select file save destination
Open	Open the current file location

NOTE:

- Each Function Mode has its own file save destination. For example, the user can set and change the save destination to different destination.
- Even though each Function Mode has its own separate file save destination, all these Function Modes have the same default file-saving-directory destination after this software is installed.

(6) File Compare & Convert Settings

By right click on the image files shown in the file fetching column on the right-hand side of the main window, you will see the following options:

Right Click Options	Explanations
Open	Open an image file
Copy	Copy a file
Rename	Rename a file
Delete	Delete a file
Compare	Compare multiple images in one window

Convert into PDF	Convert or merge multiple images files into one PDF file
Convert into TIF	Convert or merge multiple images files into one TIF file
Convert into Text	Convert or merge multiple images files into one Text file
Convert into Word	Convert or merge multiple images files into one Word file
Convert into Excel	Convert or merge multiple images files into one Excel file
Convert into EPUB	Convert or merge multiple images files into one EPUB file
Email	Send an image file as an email attachment
Print	Send an image file to a printer
Property	Show the property window

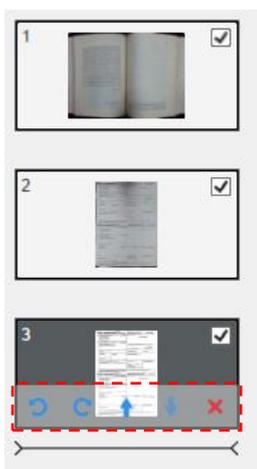
NOTE:

- The “Compare” and “Convert” functions can work on one or more image files at the same time. User can use the “shift key” or “Ctrl key” on the keyboard to help select multiple image files.
- When using the “Email” function, please make sure your computer has an email software installed, such as Microsoft Outlook.

(7) Preview Window

On the left-hand side preview window, you can use following tools that appear on each thumbnail image in order to rotate the scanned image, change the image order, or delete it.

You can also double-click on the thumbnail image to enter to the Document Page Editor mode.



Button	Explanations
	Rotate Left 90 Degrees
	Rotate Right 90 Degrees
	Move image up
	Move image down
	Delete image

NOTE: The left side preview window is only available when the Scan Mode setting is set to “Multiple Image”.

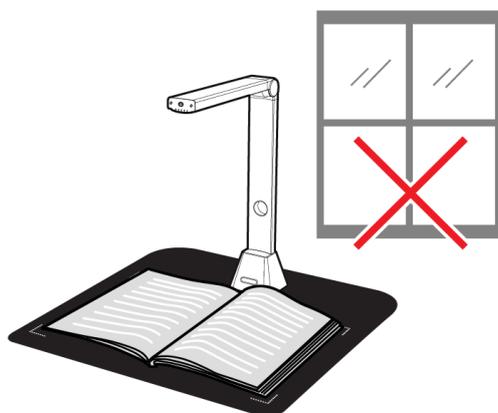
Scanning Preparation

- 1) To start scanning, please place the book scanner on a surface table or desk.
- 2) Review your own needs and select the proper processing modes of either [Document] or [Book] from the scanning software.

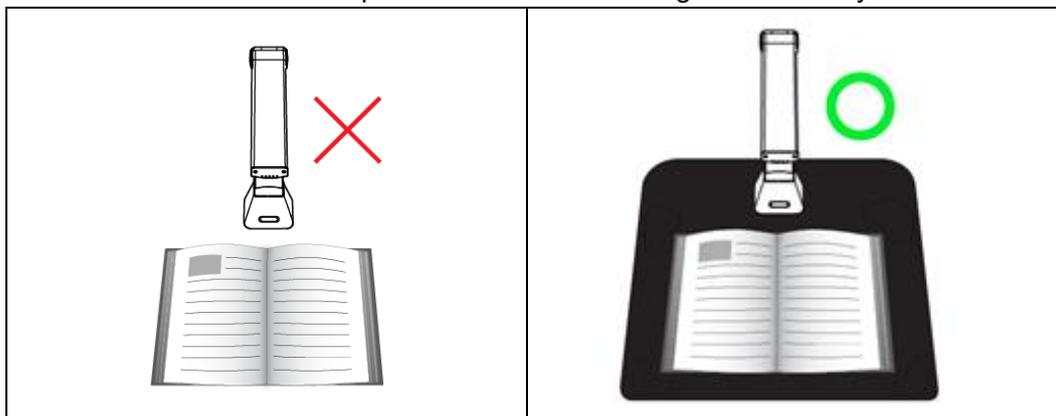


Reminders:

- 1) Avoid scanning documents or books in places near windows or other environments with strong lighting. Excessively bright ambient lighting will affect the brightness and thus scanning results.



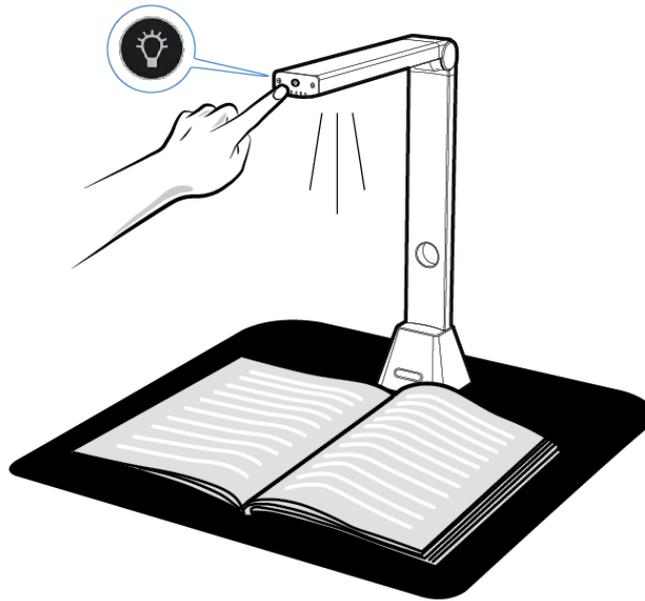
- 2) Ensure that you use the supplied black scan mat to scan with your book material and the book has been placed within the scanning area correctly.



Using LED Light

There are three levels of LED brightness control available, for use in low-light environments. To turn on the LED light, please follow below steps.

1. Touch the LED light icon 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 scanner without first turning off the LED light, as this may cause the scanner to overheat.

What you can do with this software?

The CamBook software provides an overhead scanning unit that does not need to touch the documents being scanned. The following operations can be performed with the software:

Book Scanning

A book or booklet up to size A3 can be scanned without cutting pages out.

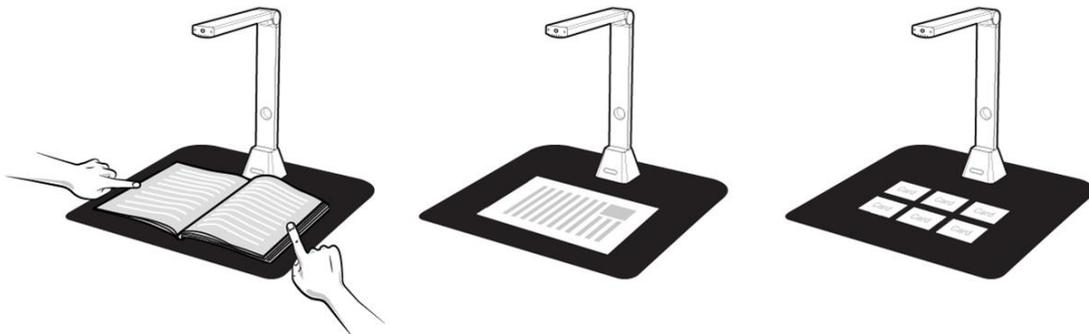
When a page is scanned the software will automatically flatten the curved pages and split the scan into two separate images.

Document Scanning

Scan documents or other paper materials up to size A3. When a document is scanned, the scanned image will be cropped and de-skewed automatically.

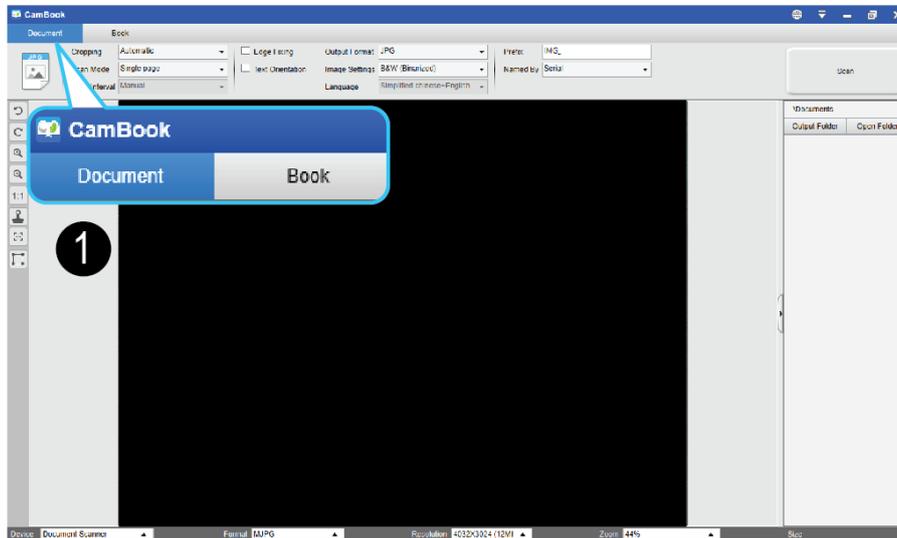
Multiple Cards Scanning

Scanning multiple documents such as business cards or other types of cards can be done simultaneously. When multiple cards are scanned, the scanned images will be cropped and skew-corrected into separate images for each respective document.



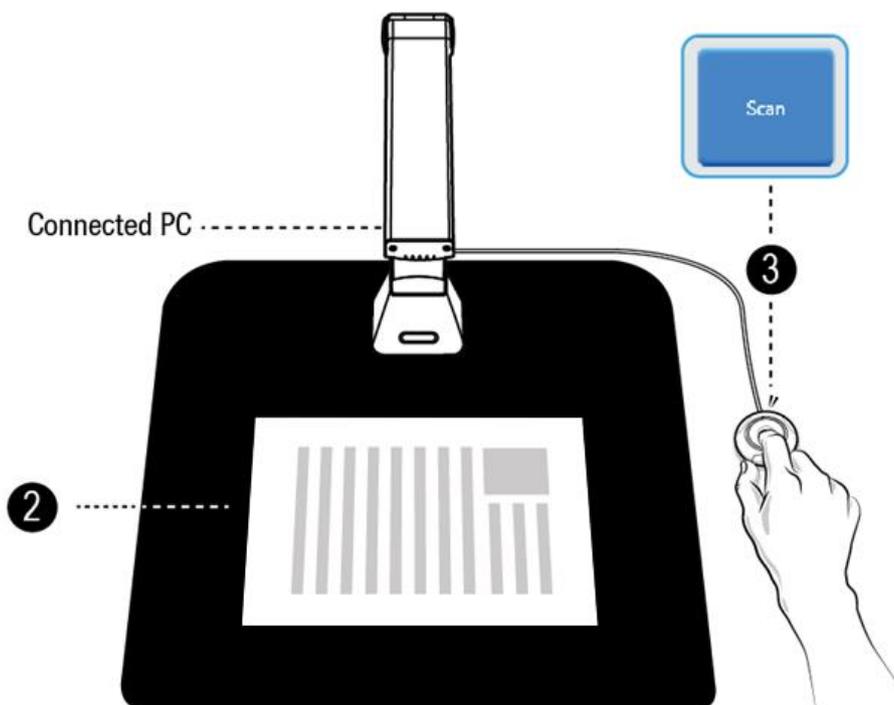
Scanning Using Document Mode

- 1) To scan document materials, set the top function tab to [Document] mode. You can make any changes in the settings menu as necessary.

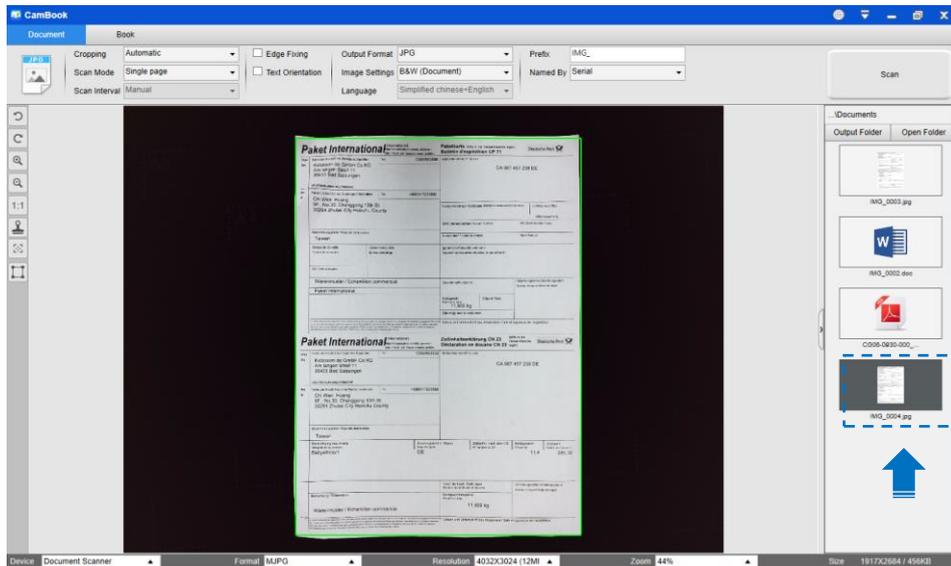


- 2) Place a document face up on the center of the scan mat.
- 3) Set the cropping to [Automatic] and click [Scan] button in the upper right corner of the scanning software in order to scan an image, additionally you may also press the external shutter button to initiate scanning.

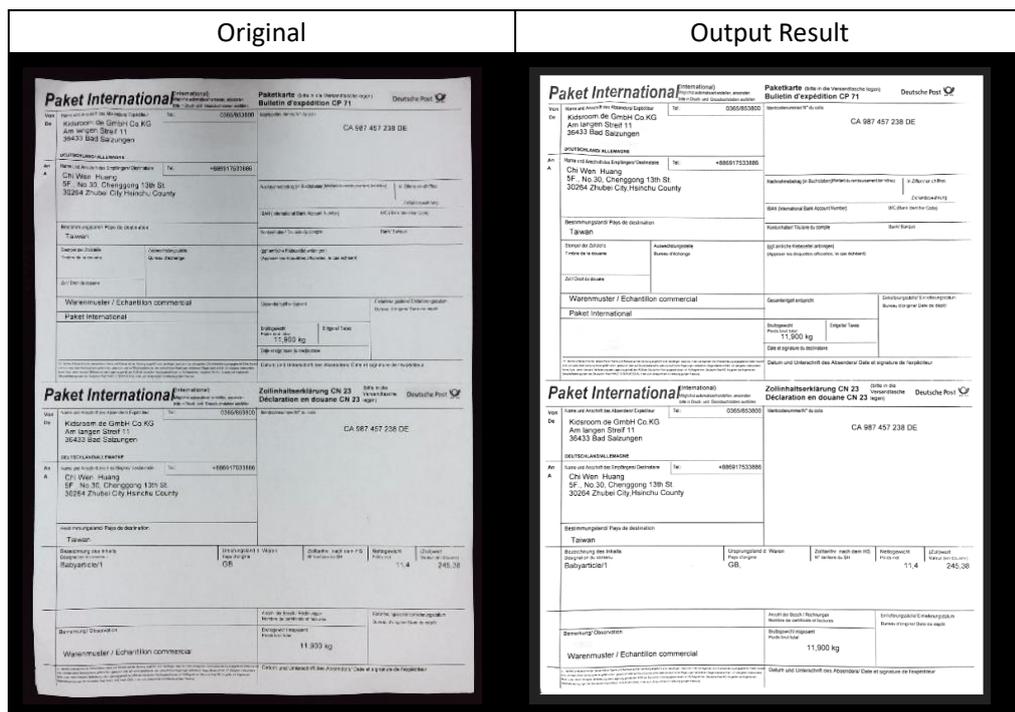
NOTE: To continue scanning additional pages, click [Scan] button and repeat this step to scan additional images.



- When scanning is complete, the scanned image will appear on the right-hand side of the output window, allowing you to double-click on the thumbnail image to open the scanned result.



- The following is an example for a scan in the B&W (Document) mode.



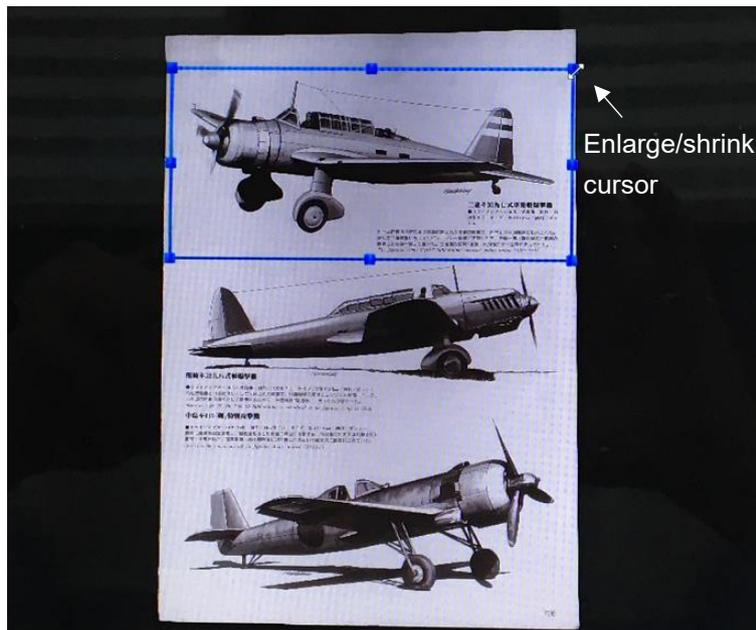
Manual Cropping

This software allows the user to manual crop for a scanned object before scanning the final image.

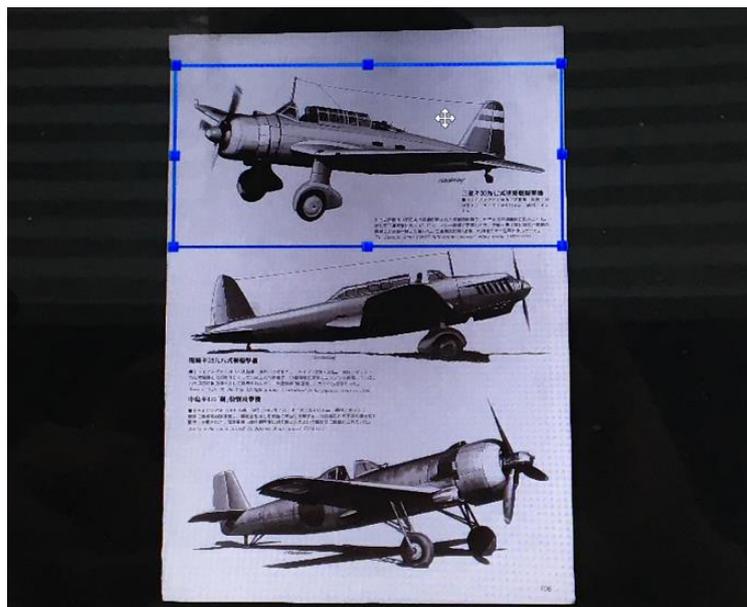
To adjust the cropping frame please follow methods below.

1. Set the cropping mode to "Self-Defined".
2. Move the blue cursor to a corner or an edge of the crop frame (the blue cursor will

change to ). Click and drag the cursor to enlarge or shrink the cropping frame to the desired size.

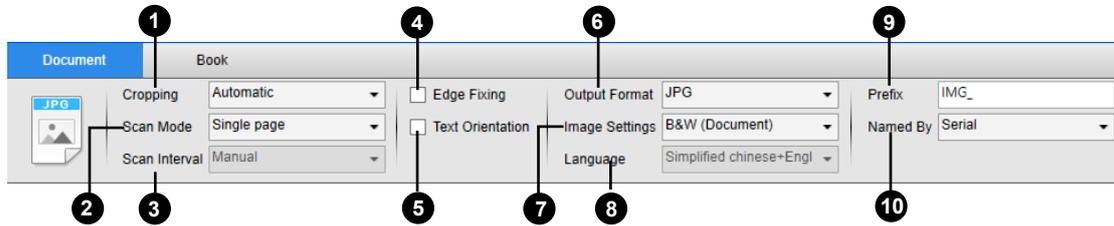


3. Move the blue cursor within the cropping frame (the cursor will change to ). Click and drag the cursor to move the entire cropping frame to the desired area.



The Scan Settings of Document Mode

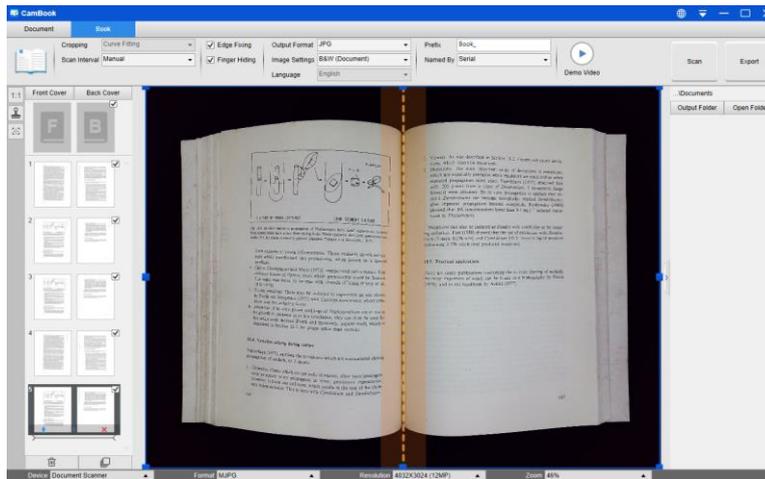
In the document function mode, you can use following feature settings:



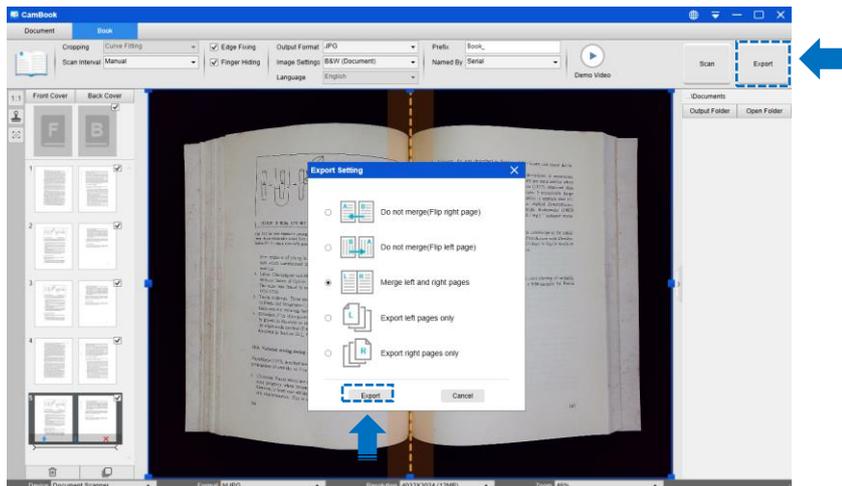
Item	Feature Settings	Setting Options	Explanations
1	Cropping	Automatic	Automatic crop for a single object
		Automatic (Multiple)	Automatic crop for multiple objects
		Self-Defined	Manual crop for a single object
		No Cropping	Scan without cropping
2	Scan Mode	Single Page	Scan a single page for a document
		Multiple Page	Scan multiple pages of a document using continuous scanning
		Merge Horizontally	Scan both sides of a document with left and right sides merged
		Merge Vertically	Scan both sides of a document with tops and bottoms merged
3	Scan Interval	Manual	Manual scan by clicking the [Scan] button
		Automatic	Automatically scan when the camera detects a page is turned
		Repeat (5sec)	Automatic scanning by a 5 second countdown
		Repeat (7sec)	Automatic scanning by a 7 second countdown
4	Edge Fixing		Automatically crop a document and repair the damaged edges
5	Auto Page Rotation		Automatically rotate pages based on text orientation
6	Output Format	JPEG	Save as JPEG file
		PDF(Image)	Save as image-based PDF file
		PDF(Searchable)	Convert image into searchable PDF file
		PDF(Text)	Convert image into editable Text PDF file
		Text	Convert image into editable Text file
		Word	Convert image into editable Word file
		Excel	Convert image into editable Excel file

7	Image Settings	B&W (Document)	Output image in Black & White and whiten background
		B&W (Binarized)	Output image in Black & White
		B&W (Red Stamp)	Output image in Black & White and keep any red stamp
		Color (Original)	Output image in original color
		Color (Enhanced)	Output image with color enhanced
		Gray	Output image in grayscale
8	Language	Select OCR language Note: Make sure to select the correct language of the original text from the drop-down menu to perform text recognition.	
9	Prefix	Add prefix for the file name	
10	Name By	Serial	Name by serial number
		Date & Time	Name by date and time

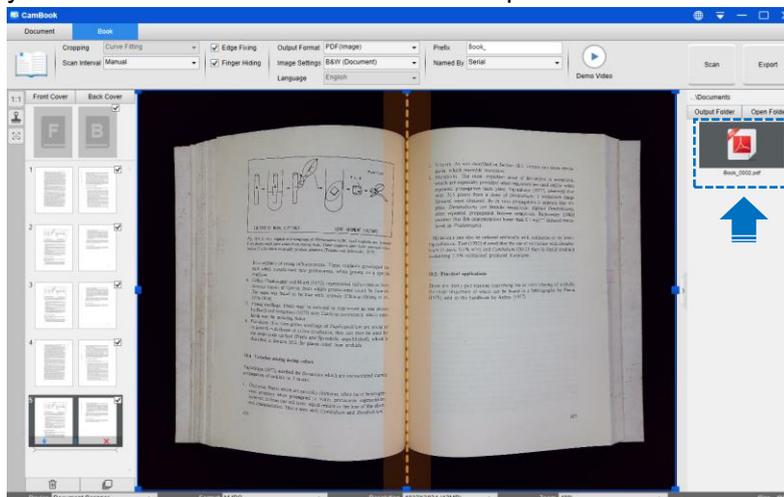
1. After scanning, the software will automatic flatten curved page and split them into two separate images, then display in the left-hand side preview window.



2. To export the scanned images, press the [Export] button in the upper right corner to open the Export Settings menu.
3. Select a format and then click [Export] button to output your scanned images.



4. After exporting, the file will be shown in the right-hand side output window, there you can double-click on the file icon to open the scanned result.

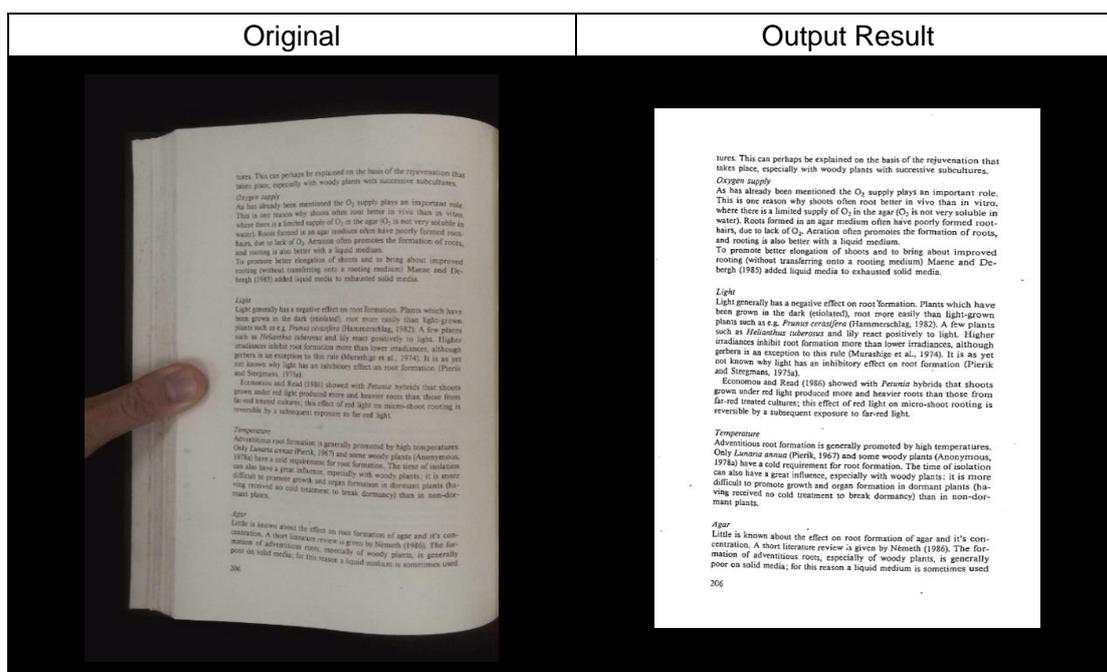


Export Settings:

Here are some options for exporting the scanned page.

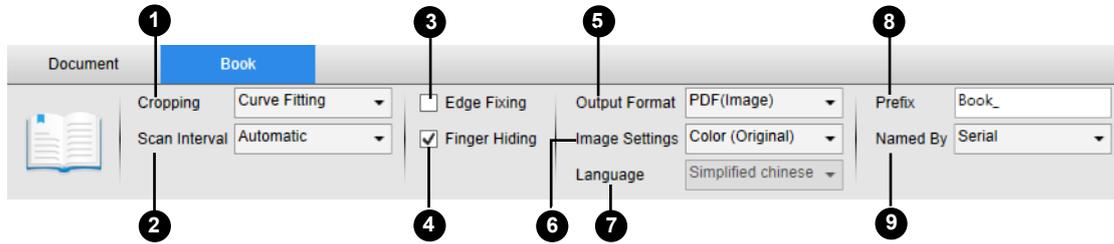
Page Export Settings	Descriptions
	Export without merging. This is for flip-right style books
	Export without merging. This is for flip-left style books
	Export with merged left and right pages.
	Export left pages only.
	Export right pages only.

NOTE: Export Settings are only available for the Book scan mode; the following is an example of automatic curved page flattening and finger erasing in [Book] scan mode.



The Scan Settings of Book Mode

In the Book function mode, you can use following feature settings:



Item	Feature Settings	Setting Options	Explanations
1	Cropping	Curve Fitting	Automatic curved page flattening NOTE: This is used for scanning thicker books with curved surfaces
		Straight Fitting	Automatic straight page flattening NOTE: This is used for scanning thinner booklets with straight surfaces
2	Scan Interval	Manual	Manual scan by clicking [Scan] button
		Auto	Automatically scans when the camera detects a page is turned
		Repeat (5sec)	Automatic scanning by a 5 second countdown
		Repeat (7sec)	Automatic scanning by a 7 second countdown
3	Edge Fixing		Automatically crops a document and repairs the damaged edges
4	Finger Hiding		Automatically erases fingers
5	Output Format	PDF(Image)	Save as an image-based PDF file
		PDF(Searchable)	Convert image into searchable PDF file
		PDF(Text)	Convert image into editable text PDF file
		JPEG	Save as JPEG file
		EPUB	Convert image into an Electronic Publication E-Book file
		Text	Convert image into editable Text file
		Word	Convert image into editable Word file
6	Image Settings	B&W (Document)	Output image in Black & White and whiten background
		B&W (Binarized)	Output image in Black & White
		B&W (Red Stamp)	Output image in Black & White while keeping red stamps
		Color (Original)	Output image in original color

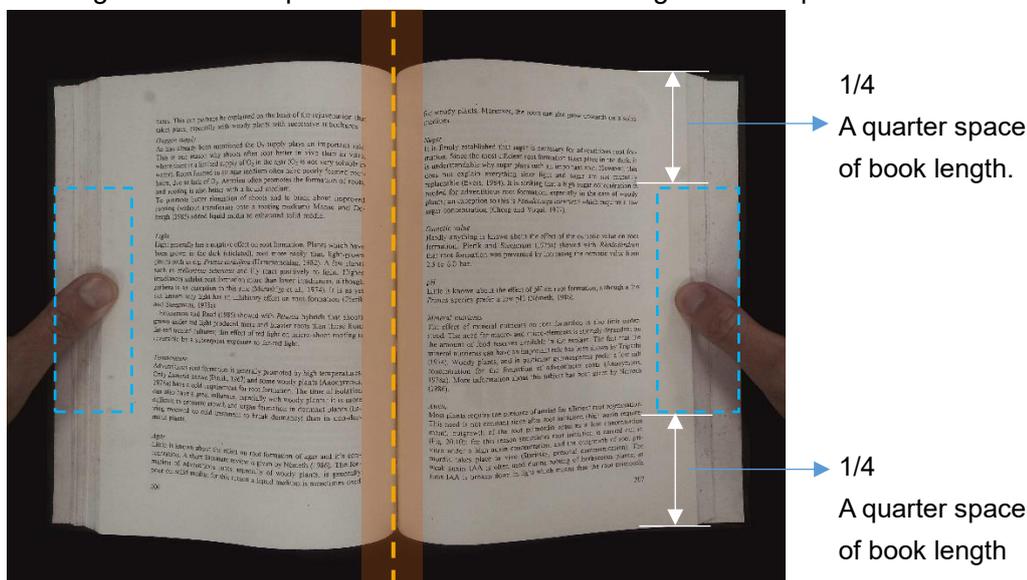
		Color (Enhanced)	Output image with color enhanced
		Gray	Output image in grayscale
7	Language	Select OCR language Note: Make sure to select the correct language of the original text from the drop-down menu to perform text recognition.	
8	Prefix	Add prefix for the file name	
9	Name By	Serial	Name by serial number
		Date & Time	Name by date and time

Special Functions

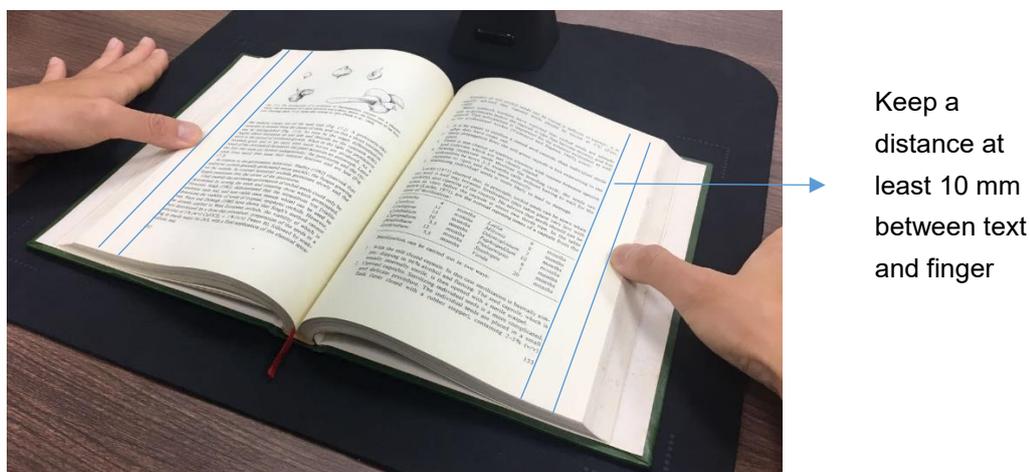
Finger Removal Function

The CamBook offers a very useful function which detects fingers at the margin of books and erases them from the scanned image. The following requirements must be fulfilled before using the “Finger removal” function properly.

1. Ensure that you have selected the [Finger Hiding] function in the software.
2. Place an opened book face up on the black scan mat.
3. The center of the book must be aligned with the vertical orange line on the screen.
4. The fingers should be placed in the middle of the edges of the opened book.



5. The fingers should be positioned with a similar distance to the text elements in the book as the following picture shows.



NOTE: If the distance is too small, the finger removal function may not correctly remove the fingers from the scanned image.

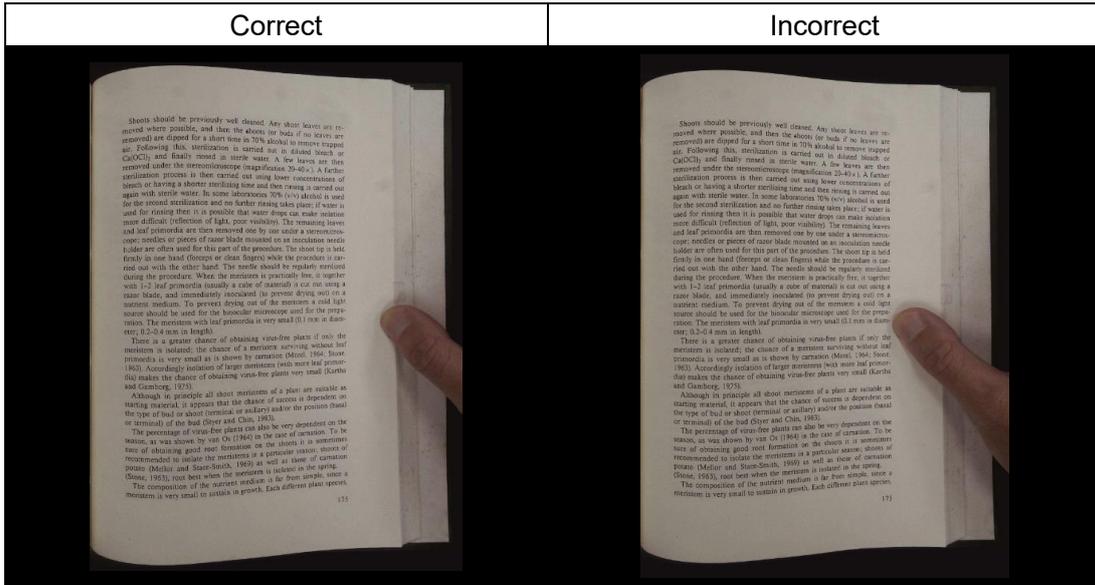
Correct Finger Position

There are some finger positions that can cause a malfunction of the "Finger Removal" function.

The following are a few examples of correct and incorrect finger positions.

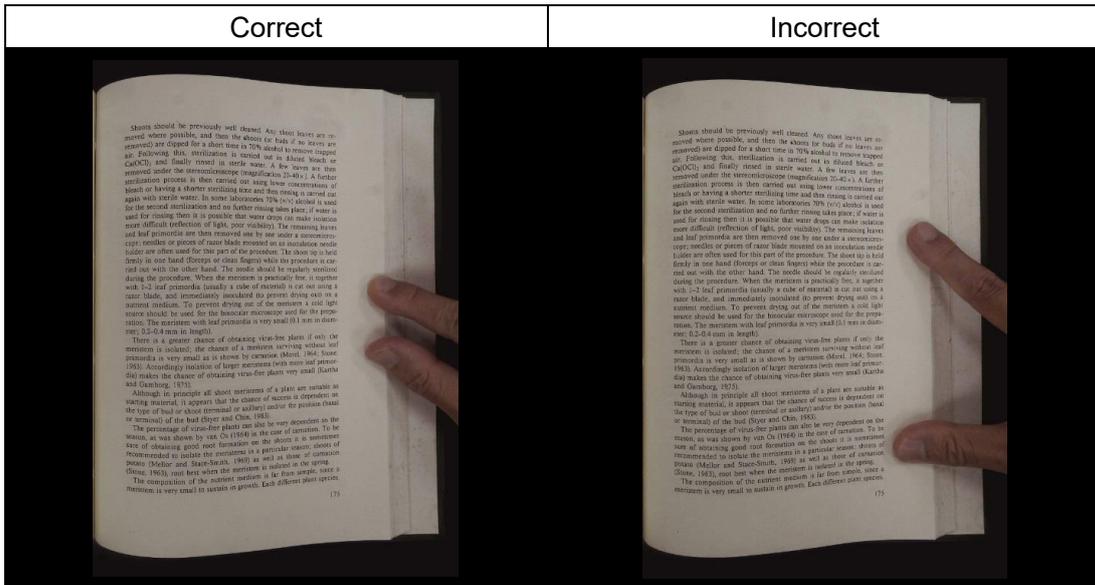
Distance too small

The fingers should be positioned at a distance to the text elements in the book as shown in the picture example. Do not place fingers too close to the text of the book.



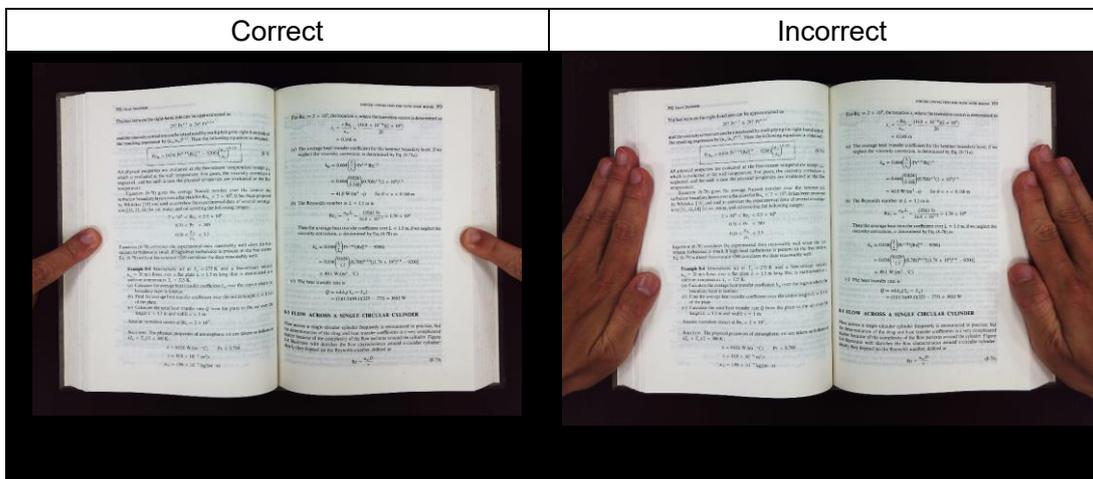
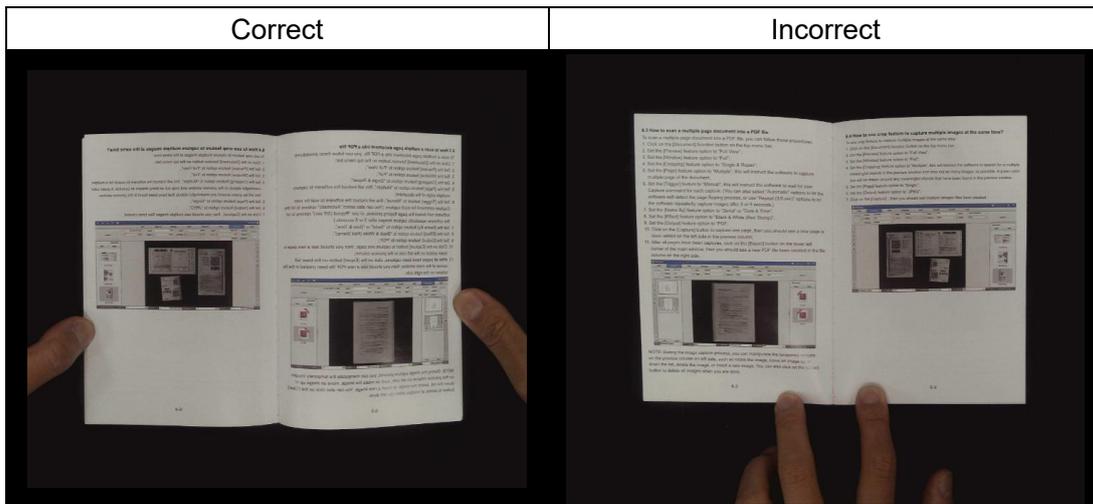
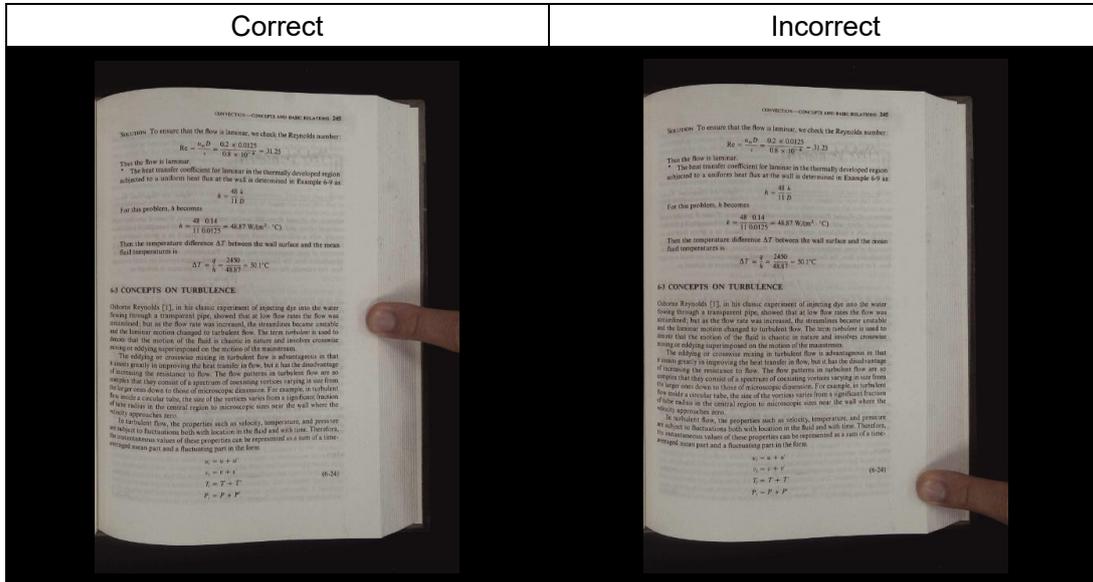
Multiple fingers hold the book

When using multiple fingers to hold down the book, place your fingers together in the middle of the edge of the book. Do not spread your fingers too far apart.



Single Finger Position

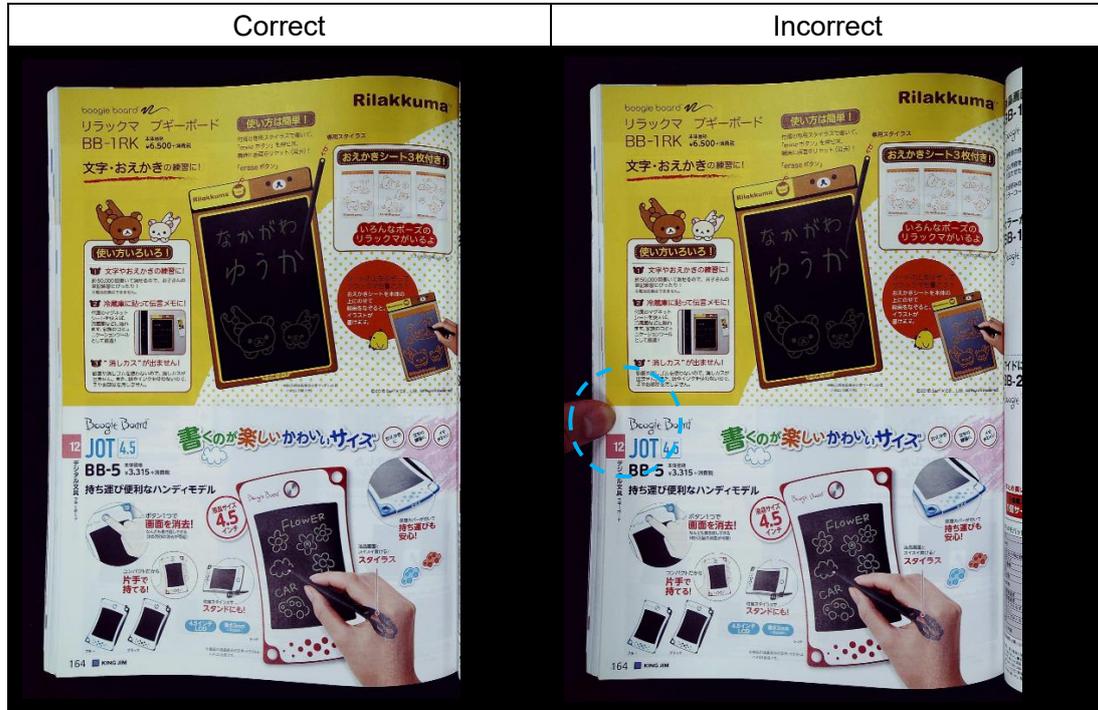
Always keep your finger straight and placed on the middle section of the opened book.
Do not place your finger on the top or bottom of the opened book.



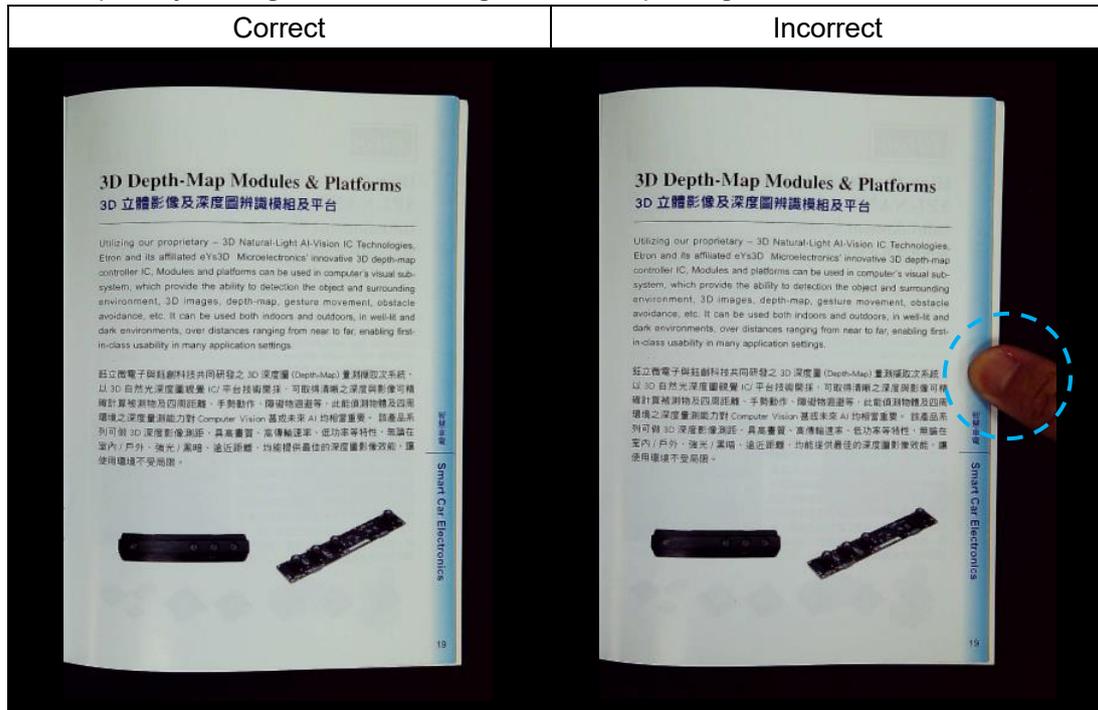
Mixed Patterns and Colors

To scan a flat, color magazine or catalog, we recommend turning-off the “Finger Hiding” function in the scan settings, as the finger removal function may cause malfunction, the reason being that the analyzing algorithm will detect an area of mixed patterns and colors at the border of the image.

Do not place your finger on the book’s edge if mixed patterns are present.



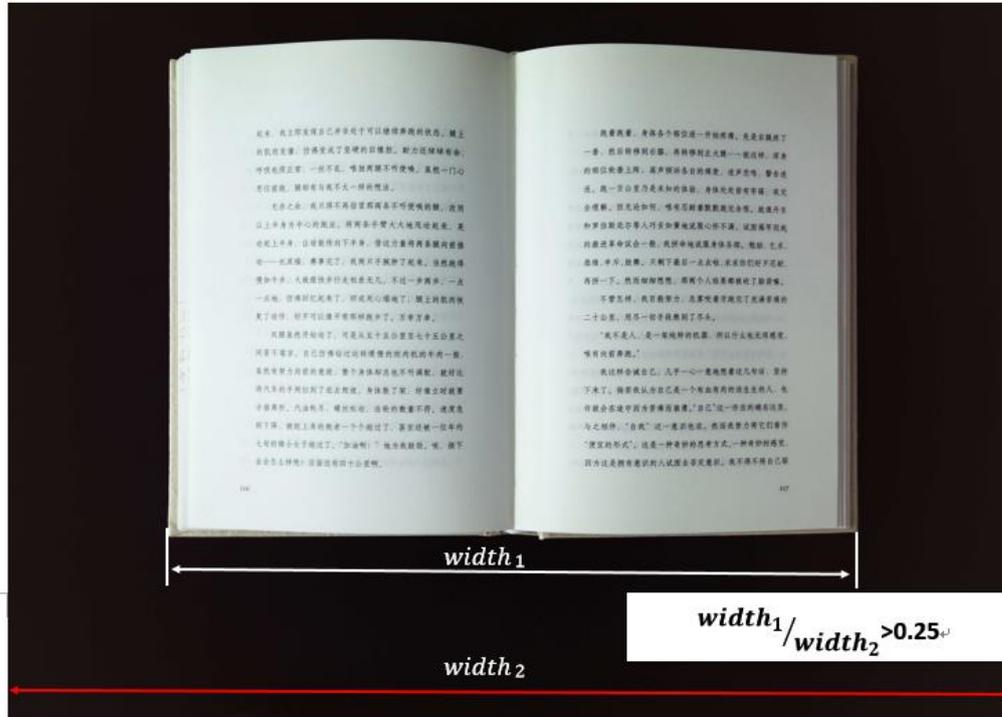
Do not place your finger on a book edge with color printing.



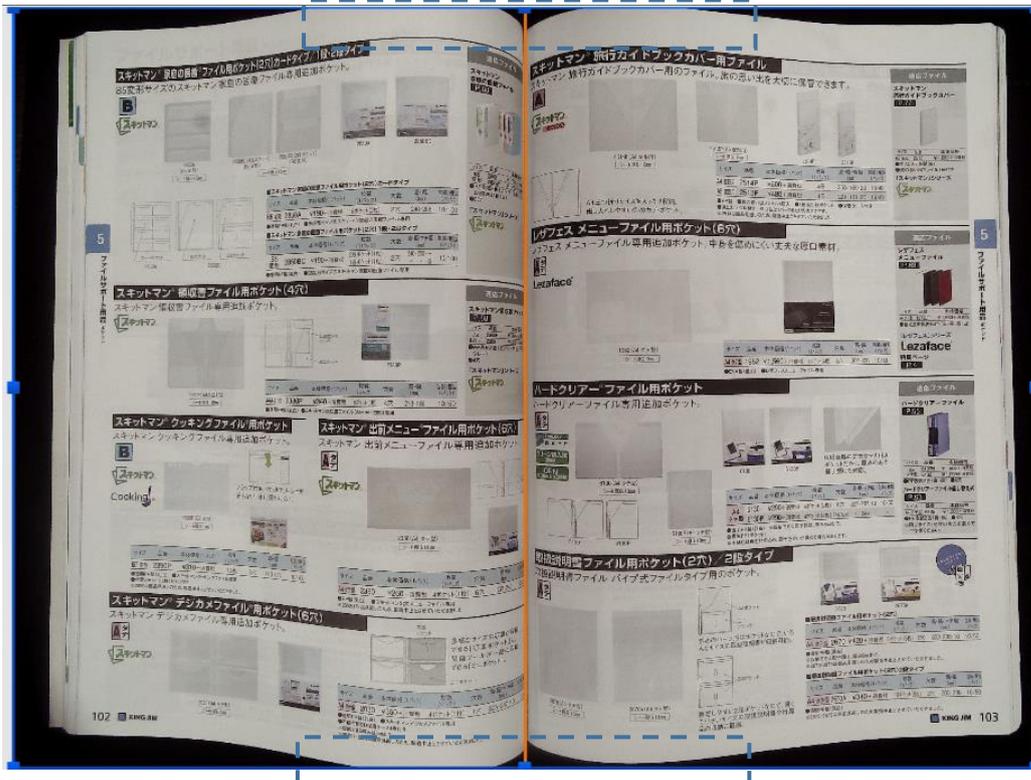
Scan Size Limitations

An opened book can't occupy less than one-half the width of the scanning area.

If scanning with a book that is too small, the finger removal function may not correctly remove the fingers from the scanned image.

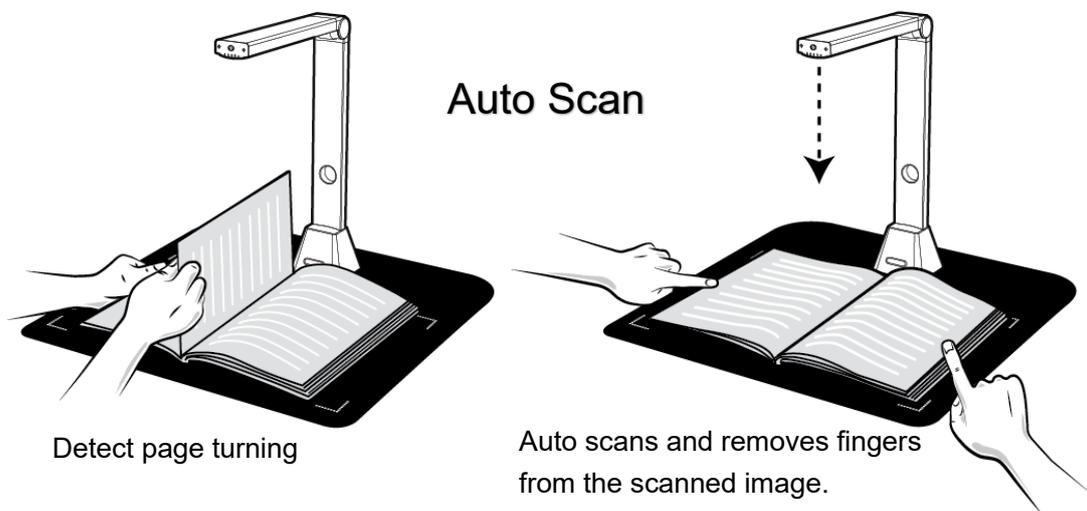
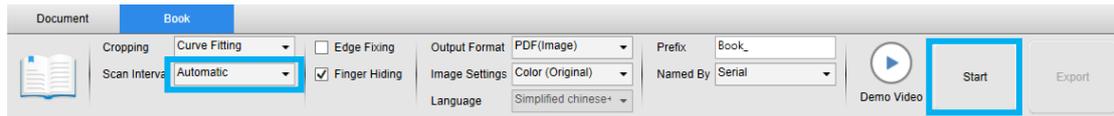


Do not place the book outside the scanning area.



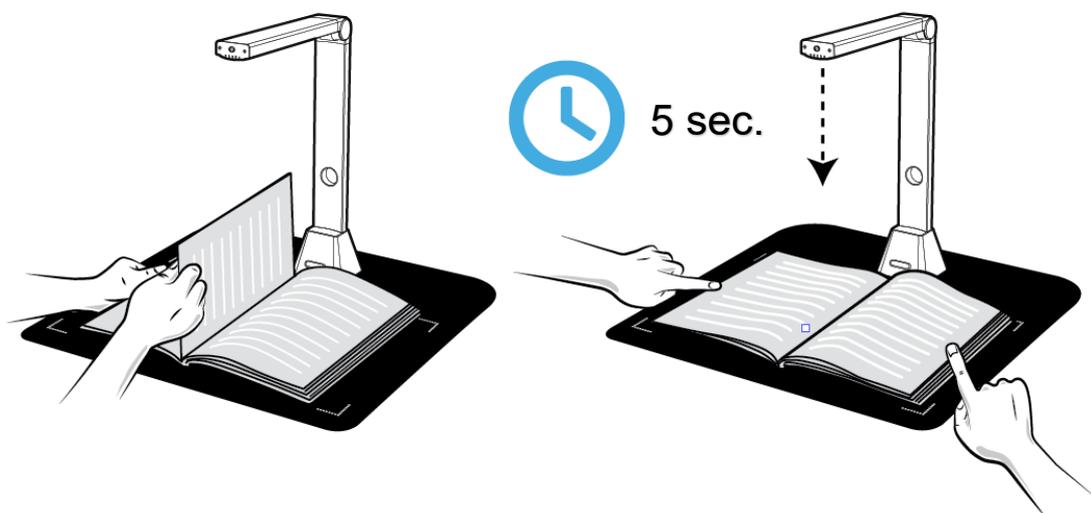
Auto Scan Function

This CamBook scanner software offers a very useful automatic scan function. When the scanner device detects a page is turned, the software will automatically start continuous scanning. To use the Auto Scan function, please set the Scan Interval to “Automatic” from the top setting panel and then press “Start” button to start auto scanning, to stop scanning, press the “Stop” button.



Scan Interval

You can also set the specified time interval to continue scanning for an extra page.



The book scanner automatically activates after the specified time-period passes.

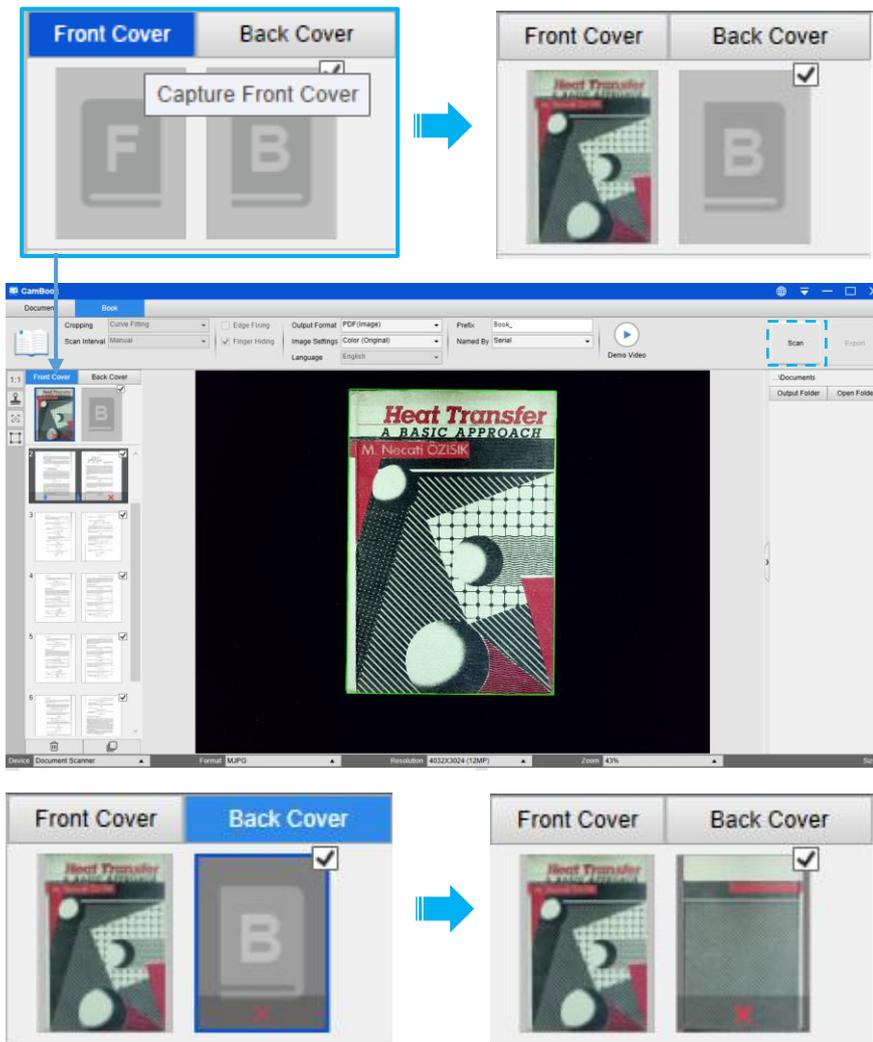
Setting Front and Back Cover Images

To scan the front and back cover images of your book, you can follow the procedures below:

- 1) Click on the "Front Cover" button on the left-hand side.
- 2) Place the book front-cover (face up) at the center of the scan mat.
- 3) Set the [Image Settings] feature option to "Color (Original)." Highly recommended!
- 4) Press the [Scan] button to scan the front cover image.

NOTE: When entering the cover scan mode, the software will automatically activate the auto-cropping function.

- 5) After scanning, the book cover thumbnail will be automatically displayed in the left side preview window as in the example below.
- 6) To scan the back-cover image, click the "Back Cover" button and turn the book to the back-side (face up) at the center of the scan mat, then press the [Scan] button to scan the back-cover image.



NOTE: You can click "X" icon on the thumbnail to remove the cover image and rescan a new image if necessary.

Usage Example

Scanning a Color Document Well

To scan a color document well, you can follow these procedures:

- 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 “Single Page”, this will instruct the software to only capture one side of the object. (You can also select “Merge Horizontally” to scan both sides of an object and merge them into one image. This is useful when you want to scan both sides of an object, for example business cards, and merge them into one image file.)
- 4) Set the [Name By] feature option to “Serial” or “Date & Time”;
- 5) Set the [Image Settings] feature option to “Color (Enhanced)”, this will instruct the software to improve the color quality of the output image;
- 6) Set the [Output Format] feature option to “JPEG”, this will instruct the software to output the image file in the JPEG format.
- 7) Click on the [Scan] button in the upper right corner, then you should see in the file column on the right side that a JPEG file has been created.

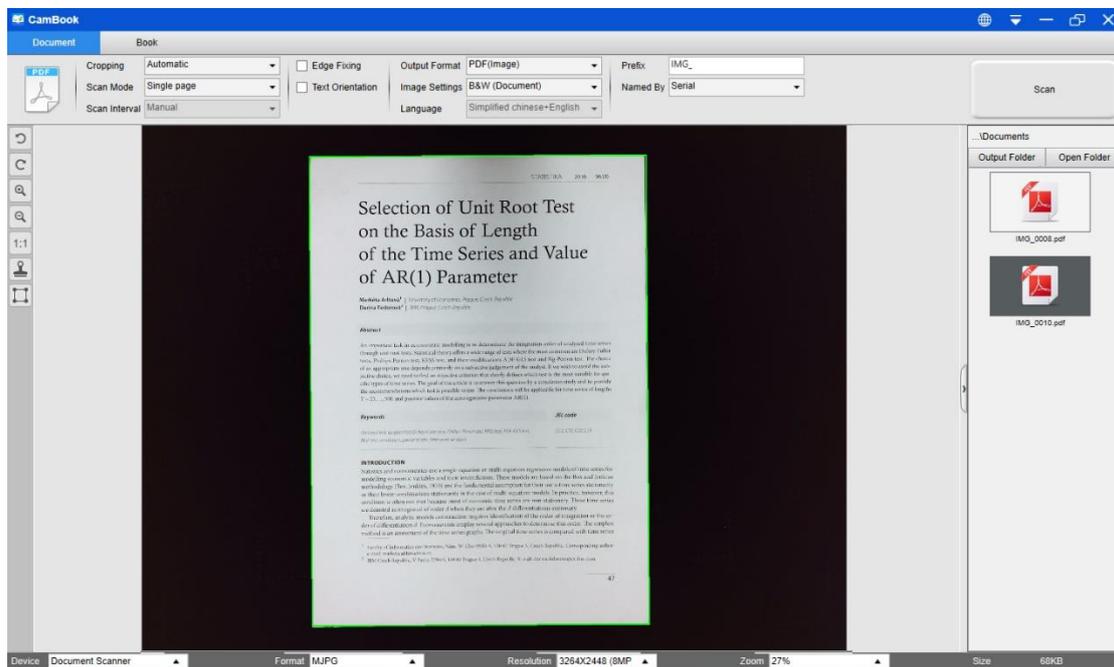


NOTE: Avoid scanning documents in places near window or other environments with strong lighting. Excessively bright ambient lighting will affect image saturation and thus affect scanning results.

Scanning a document and saving it as a PDF file

To scan a single page document and save it as a PDF file, you should follow these procedures:

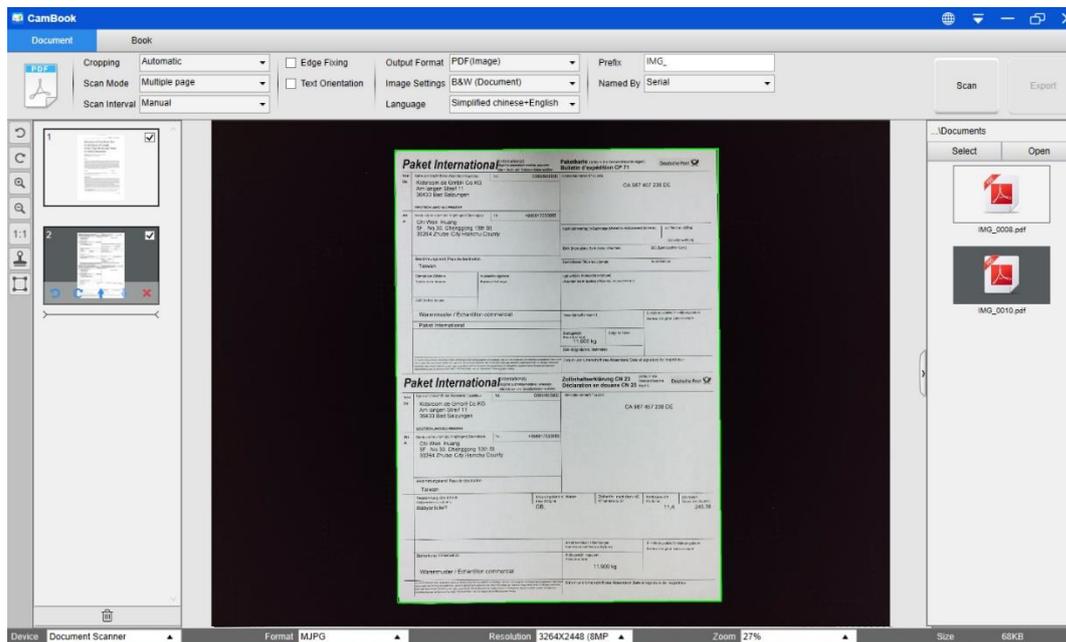
- 1) Click on the [Document] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”, this will instruct the software to search for a single suitable document in the preview window and crop out a good image. Once this object is detected, you will see a green color box drawn around the 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 “Text Orientation” on the menu bar if necessary.
- 6) Set the [Output] feature option to “PDF (Image)”, this will instruct the software to output the image file in the PDF format.
- 7) Set the [Scan Settings] feature option to “B&W (Document),” this will instruct the software to output the image file in the B&W style and remove undesired shadows.
- 8) Click on the [Scan] button in the upper right corner, then you should see a PDF file has been created in the file column on the right side.



Scanning a Multi-Page Document into a PDF file

To scan a multiple page document into a PDF file, you should follow these procedures:

- 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 page”, 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 capture 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 to scan one page, then you should see a new page has been added on the left-hand side in the preview column;
- 9) After all desired pages have been scanned, click [Export] next to the [Scan] button in the upper right corner of the main window, then you should see a new PDF file has been created in the file column on the right-hand side.



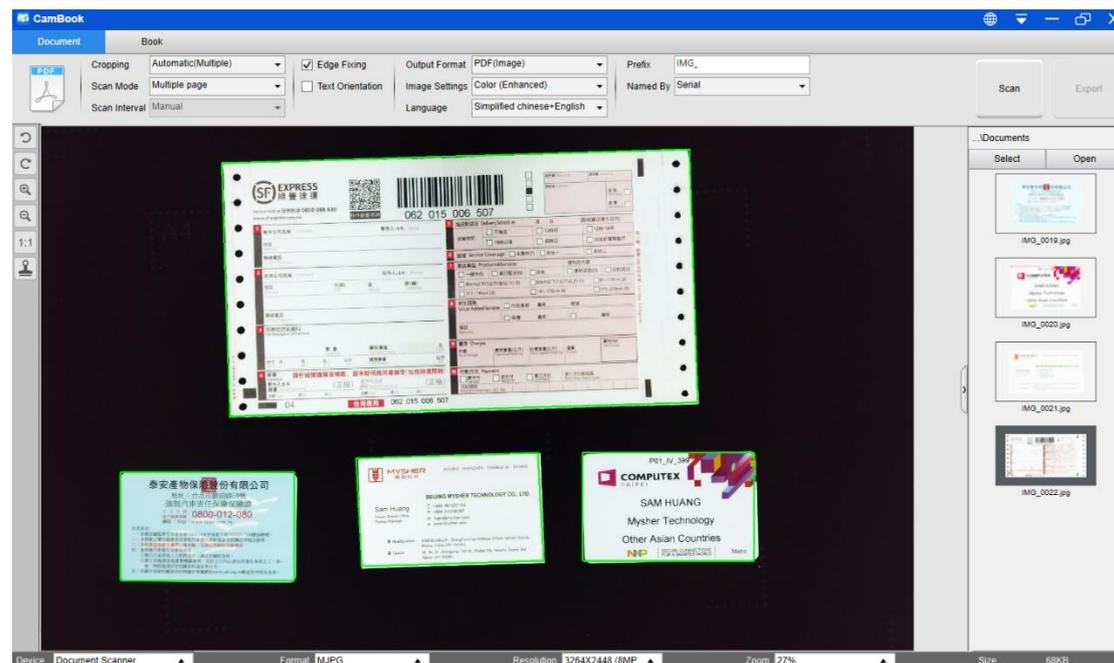
NOTE: During the image scan process, you can manipulate the temporary images in the preview column on left-hand side, such as rotating the image, moving an image up or down the list, deleting the image, or inserting a new image.

You can also click on the  [Clear] button to delete all images when you are done.

Using the Crop Feature to Scan Multiple Images at the Same Time

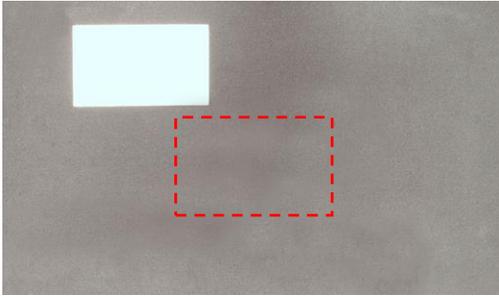
To use the crop feature to scan multiple images at the same time, you can follow these procedures:

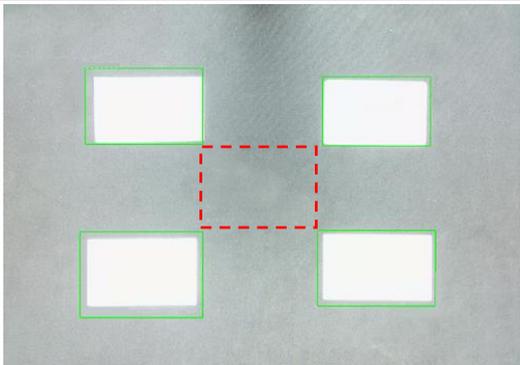
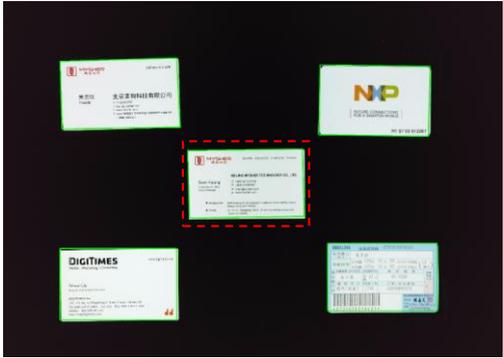
- 1) Click on the [Document] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic (Multiple)”, this will instruct the software to search for multiple objects in the preview window and crop out as many images as possible. A green color box will be drawn around any meaningful 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] feature option to “JPEG”.
- 6) Click [Scan], then you should see multiple image files been created.



Scanning a High-Quality Image of a Business Card

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

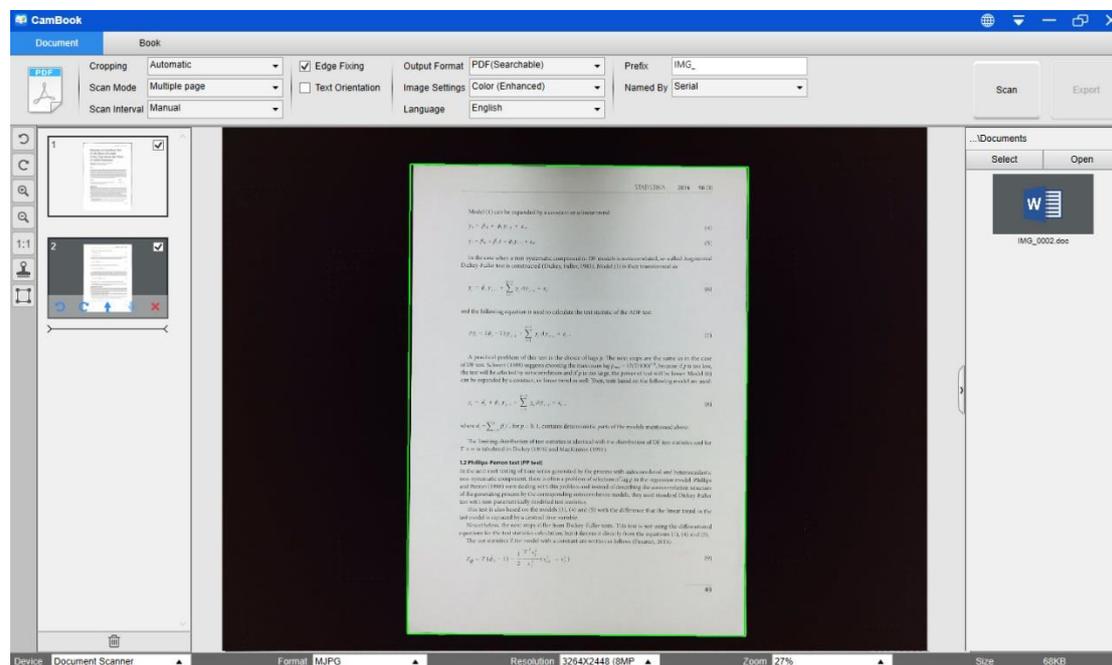
Scanning Single Business Card	
Incorrect Position	Correct Position
	
<p>Do not place the business card without aligning to the center of the scanning area.</p>	<p>To scan individual business cards, please place the business card close to the position mark in the center of scanning area.</p>

Scanning Multiple Business Cards	
Incorrect Position	Correct Position
	
<p>Do not leave a space in the center of scanning area when scanning with multiple business cards like the above example.</p>	<p>To scan multiple business cards, please place at least one name card in the center of the scanning area. Otherwise the image will be over-exposed.</p>

Scanning a Multi-Page Document into a Word File

To scan a multi-page document and create OCR to then put into a Word file, you can follow these procedures:

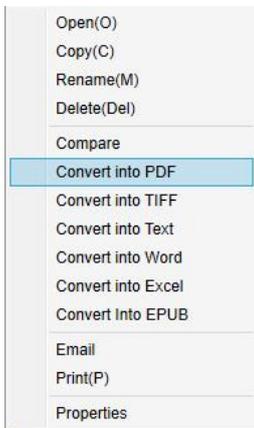
- 1) Click on the [Document] function in the top menu bar.
- 2) Set the [Cropping] feature option to “Automatic”.
- 3) Set the [Scan Mode] feature option to “Multiple page”.
- 4) Set the [Scan Interval] feature option to “Manual”.
- 5) Set the [Output Format] feature option to “Word”, this will instruct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



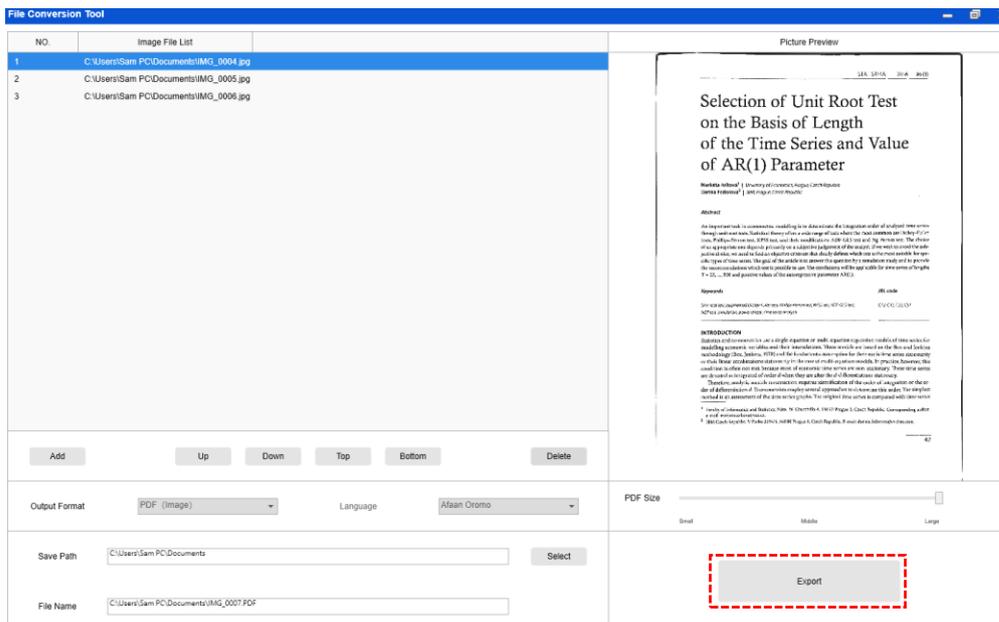
Combining Multiple Image Files into One PDF File

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 press 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;



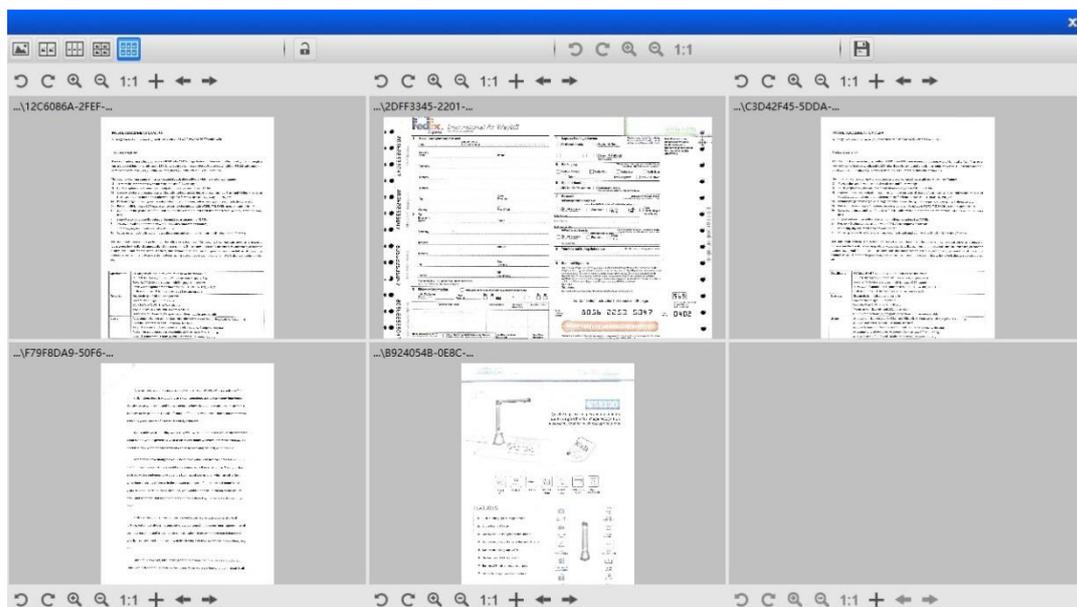
- 3) Please select the [**Convert into PDF**] option, then the PDF Creating Tool window will appear.
- 4) In the PDF Creating Tool window, you can Add, Delete, Move Up, or Move Down an image, or you can adjust PDF file size and name the File Name for the targeted output PDF file;
- 5) When you are ready,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



Comparing Multiple Image Files 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:

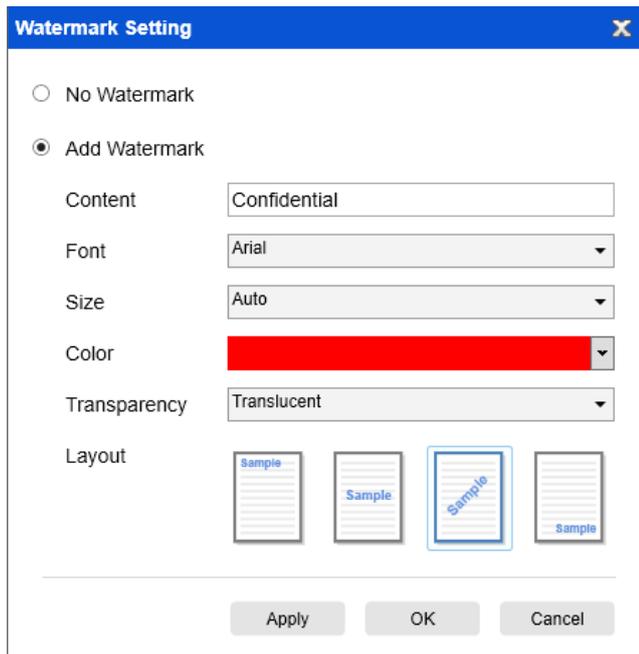
- 1) In the file directory column shown on the right-hand side of the main control window, you can press and hold the “Shift” key or the “Ctrl” key while you use your mouse to click and select multiple JPEG image files;
- 2) Right click on these selected image files, and then you should see a pop-up 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 widow.
- 5) Using the “Lock/Unlock” option, you can rotate or zoom in on each individual image or apply these functions to all images;



Adding a Watermark in Scanned Document File

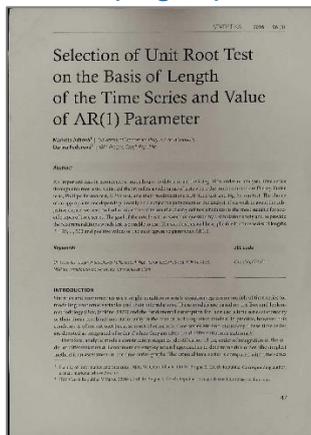
To add a common watermark such as DRAFT or CONFIDENTIAL to your scanned document, you can follow the following procedures:

- 1) Click on the [Document] function in the top menu bar.
- 2) Click on the Watermark  icon in the left-hand side toolbar to bring up the Watermark setting dialog.
- 3) In the Watermark setting dialog, select [Add Watermark].

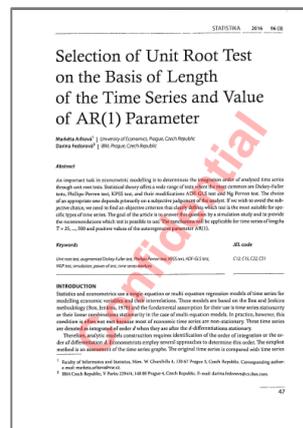


- 4) Type your watermark text in the **Content** box. You can try different fonts, size, colors, transparency, and choose a layout while you're at it.
- 5) Click [OK] to apply the Watermark settings to your document. Now you can try to scan a document with the added Watermark.

(Original)



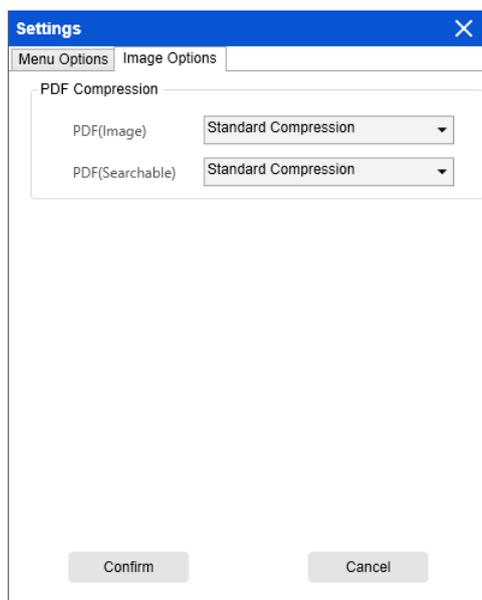
(Added Watermark)



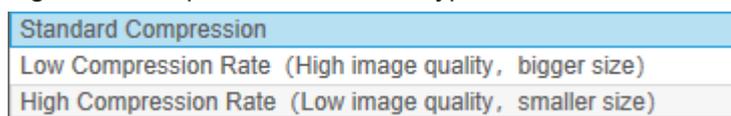
Configuring the PDF Settings

The documents you process with this software can be saved as PDF with differing settings. The following steps can guide you in settings the detail options of a PDF file.

- 1) Click on the settings  icon in the upper right-hand side of the main window and select “Setting” from the drop down list.
- 2) Choose the “PDF Settings” tab.



- 3) In the PDF Settings dialog, you can set the file compression as low, standard, or high in the drop down list of each type PDF format.



- 4)
- 5) Click [**Confirm**] to apply these PDF settings to your document.

PDF (Image)

When you select this file type, this software cannot perform text recognition in your document. Your PDF file will not be text-searchable, as it only contains the image of your original document.

PDF (Searchable)

This file type is most commonly used. It contains two 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.

Supported OCR Languages

The CamBook software is integrated with a powerful OCR function, the user can scan a document and convert the image into a searchable PDF, editable Word, Text, or Excel file. The OCR function supports the following languages.

English	German	French
Spanish	Italian	British English
Swedish	Danish	Norwegian
Dutch	Portuguese	Brazilian
Galician	Icelandic	Greek
Czech	Hungarian	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 correctly utilize the built-in OCR feature, when using the OCR function, please set [Image Settings] option to “B&W (Document)” or “B&W (Red Stamp)”, this will help to speed up the OCR recognition process.
- 2) If the document is placed in landscape, please check the “Auto Page Orientation” function in the top menu bar, this function will help rotate the pages based on the text orientation.

FAQs (Frequently Asked Questions)

Q1: Why am I seeing the video from the Webcam instead of the book scanner?

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

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

A2: When scanning a black and white document, please choose the “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 [Image Setting] feature settings and try again.

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

A4: Please choose the “Multiple” option in [Page] feature settings, and please choose the “PDF” option from [Output] feature settings.

Q5: Why can't the document be detected?

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

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

A6: Please place document in the center of scanning window.

Q7: After capture, where are images been stored?

A7: Please click the “Open” button on the right-hand side of the software' main window. The default destination is “My Documents”, but you can also change the storage destination by clicking the [Select] button.

