

IRIScan™ Desk 5



Your documents, in a blink!

for Windows®

Portable camera scanner & OCR software

Contents

1. Introduction	3
2. System Requirements	4
3. Getting started	5
3.1 Box content	5
3.2 Registration, Software download and Installation.....	5
3.3 Hardware installation.....	6
4. Exploring the Interface.....	7
4.1 Discovering the main screen	7
4.1.1 The General Settings	7
4.1.2 The Ribbon: main functions	8
4.1.3 The Camera toolbar	8
4.1.4 The Preview window	9
4.1.5 The Device/Camera settings bar	10
4.1.6 The Output panel	10
4.2 Discovering the main functions and their Settings Options.....	12
4.2.1 Document.....	12
4.2.2 Book	14
4.2.3 Barcode (<i>Pro version</i>).....	15
4.2.4 ID Documents (<i>Pro version</i>)	18
4.2.5 Video	18
5. Using the integrated tools.....	19
5.1 Using the Compare and Merge Tool	19
Comparing images	19
Save Result (Merging)	20
5.2 Using the File Conversion Tool.....	21
The Image File List.....	21
The Output Options	22
The Picture Preview	22
The Export Button	22
5.3 Using the Document/Book Page Editor Tool	23
6. Creating new documents: How to	25
6.1 How to scan a single page document into a PDF file?	25
6.2 How to scan a multiple page document into one PDF file?	26
6.3 How to scan a document and use OCR feature to convert it into a WORD file?	27
6.4 How to append multiple images files into one PDF file?	28
6.5 How to open and convert an image file?	29
6.6 How to scan a book?	30
6.7 How to scan barcodes and list the result in an EXCEL+JPG file? (<i>Pro version</i>).....	32
6.8 How to scan barcodes and use the barcode number to name the image file? (<i>Pro version</i>)	33
6.9 How to scan an MRZ code and save the result in an EXCEL file? (<i>Pro version</i>).....	34

- 6.10 How to combine an ID Document scan with a photo of the person? (*Pro version*)..... 36
- 6.11 How to scan multiple ID cards into one PDF file? (*Pro version*)..... 37
- 6.12 How to record a video including facecam? 38
- 7. Troubleshooting 39
 - 7.1 Known limitations 39
 - 7.2 Undetected IRIScan™ Desk device 41
 - 7.3 Product Support 42
- 8. Scanner Specifications 43
- 9. Legal Notices 44

1. Introduction

Capture/Scan

This software is a powerful **image/video capturing** and **processing** software, dedicated to work together with a USB based document camera. This software allows you to:

- capture photos,
- scan documents,
- scan images into PDF files,
- record videos (also [FaceCam recorder](#)),
- scan barcodes (**Pro version**),
- scan ID documents with built-in I.R.I.S OCR feature to export the result into Word/Text/Excel formats. (**Pro version**).

Processing

This software offers a built-in multi-language **OCR** which can support more than 125 different languages (**OCR technology by I.R.I.S. SA**). It also comes with


- many built-in image processing algorithms, such as Color, Black & White, Gray scale
- some intelligent recognition algorithms, such as automatic image cropping, paper edge detection, automatic page orientation or **barcode recognition** (**Barcode technology by I.R.I.S. SA**).

Export

This software offers the mainly used output formats to export your work.

Usage

When correctly used, this software, along with a dedicated document camera, can work as a powerful replacement for many traditional devices used in the office or in the educational environment:

	<p>Replacement Target:</p> <ul style="list-style-type: none">• Digital Camera• Video Recorder (tutorial maker)• Flatbed Scanner• Book Scanner• Barcode Reader• ID documents Scanner
---	---

2. System Requirements

To ensure the performance of this software, the following hardware system requirement is needed:

	RECOMMENDED SYSTEM
CPU	Intel(R) Core™ 2 Duo or AMD Athlon™ II processor
RAM	4GB or 6GB
Graphics card	512MB AMD Redeon™ HD 4850 or 512MB ATI FirePro™ V5700 or better
Free disk space	4GB
Operating System	Windows® 10 (version 1607 minimum)
USB	USB 2.0

WARNING: This software version does not work on Apple Mac OS or Linux system.

3. Getting started

3.1 Box content

You have just purchased a new IRIScan™ Desk. You should be able to find the following main components in your box:

- (1) IRIScan™ Desk device/camera,
- (2) USB cable,
- (3) ScanPad,
- (4) User Guide

3.2 Registration, Software download and Installation

WARNING:

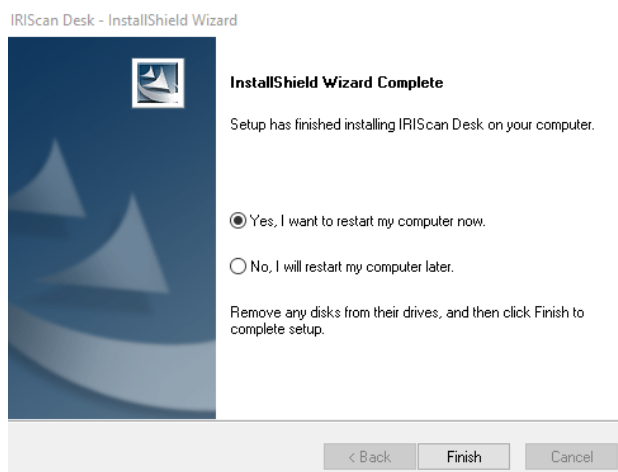
Before installing this application software, it is recommended to close the antivirus program or security software running on your system. Install the software before the hardware.

1. Go to <http://www.irislink.com/start>
2. Scroll down to IRIScan™ Desk.
3. Select the version you acquired and click **Getting Started**.
4. Then click **Start now**.
5. Complete the form and click **Register now**.
6. Select the required Operating System.
7. Click **Download** to download the software.
8. Go to the location where you downloaded the software, and run the installation file (.exe).
9. Once the installation process has started, follow the on-screen instructions.

NOTE: The installation language is the same as your Operating System's.

10. Click **Finish** to finish the installation program.

WARNING: We recommend you to accept the restart of your computer.



3.3 Hardware installation

After installing the IRIScan™ Desk software, you can install your **IRIScan™ Desk device**. Double check the following procedure before you proceed:

1. Place the ScanPad on your desk next to your PC, and then place the IRIScan™ Desk on the far end of the ScanPad (some marks are drawn on the mat).

WARNING: The dark color **ScanPad** is used to ensure a good image and accurate cropping of the targeted objects. Not using it may give bad results.

2. Connect the IRIScan™ Desk device to your PC via a USB cable.
3. Now you are ready to proceed to the next step for the software installation process.
If the device is not detected correctly, the detection keeps turning and a message is displayed on the screen to help you. See also [Troubleshooting](#).



WARNING: This software is distributed with a dedicated document camera: the **IRIScan™ Desk**. This software can bring out its full and powerful potentials only when working with the qualified document camera hardware. If working with non-qualified document cameras, some or all of the features in this software might NOT work.

4. Exploring the Interface

4.1 Discovering the main screen

To start the IRIScan™ Desk application, double-click on the icon on the desktop.



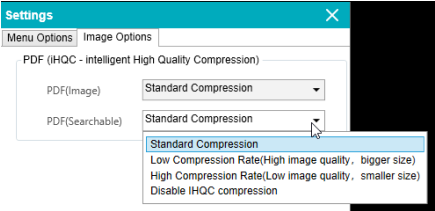


The IRIScan™ Desk interface contains the following elements:

4.1.1 The General Settings

On the top right side of the screen, two control buttons are available



Buttons	Explanations	Note
	User interface Language	By default, the user interface language is the same as your Operating system's. However, you can choose your interface language among 9 languages (English, French, German, Spanish, Italian, Dutch, Portuguese, Traditional Chinese or Simplified Chinese).
	<ol style="list-style-type: none"> Settings Help About 	<ol style="list-style-type: none"> Preferences: <ul style="list-style-type: none"> Menu Options: you can choose or not to display the tooltips when you hover your mouse over an option. Image Options: I.R.I.S offers a PDF compression technology called iHQC. Three levels of compression are available for PDF (image) and PDF (searchable): standard, low and high. Compression level has an impact on the image size and on the image quality. The more you compress, the more the image size is small, but it reduces the image quality. The less you compress, the more the image size is big, but the image quality is respected.  Help: clicking on Help opens your browser and goes to the technical support page of our website irislink.com About: informs you about the version of this software

4.1.2 The Ribbon: main functions

The **Ribbon** presents you with the main functions of this software. One **tab** contains one function.

Document	Book	Barcode	ID Documents	Video
----------	------	---------	--------------	-------

Functions	Explanation
Document	Scan documents, enhance image quality, run OCR to extract text Save result in JPG/PDF/Word/Text/Excel formats
Book	Scan pages from books, run OCR to extract text Save result in JPG, EPUB or PDF
Barcode (Pro version)	Scan for barcodes Save result in Excel+JPG/Text+JPG/Excel (list)/Text (list)/JPG/PDF(image) formats
ID Documents (Pro version)	Scan ID card or passport. Run OCR to recognise text. Save result in PDF (searchable) format
Video	Capture videos (using the video compression standard H.264) Save video into AVI/MP4/FLV/WMV formats Allows the option FaceCam recorder








NOTE: Inside those tabs, each function contains all the [commands](#) you need to process your documents

4.1.3 The Camera toolbar

On the left side of the screen, **Control Buttons** related to the Camera/device are available:



Buttons	Explanations	Note
	Rotate Left 90 Degrees	
	Rotate Right 90 Degrees	
	Zoom In	Zoom in by stage of 10%

	Zoom Out	Zoom out by stage of 10%
	Fit Screen / 1:1 Display	1:1 Display: the zoom value is 100% Fit screen: the real zoom value is calculated and set, e.g. 32%.
	Watermark (Add watermark on images)	A pop-up window opens to define the settings of the watermark. Not Available for Video . WARNING: If your output format is one that runs OCR, make sure to set the watermark outside the text. Cf. Known limitations
	Focus (Triggers the Auto-Focus action)	Can be needed if the light changes on your original paper.
	Manual Cropping	
	Full Screen (Enter Visual Presenter mode)	Only available in the Video tab
	WebCam	Available for ID Documents and Video Allows you to add facial expression coming along with the narration in the video (FaceCam recorder). Very useful for tutorial makers.

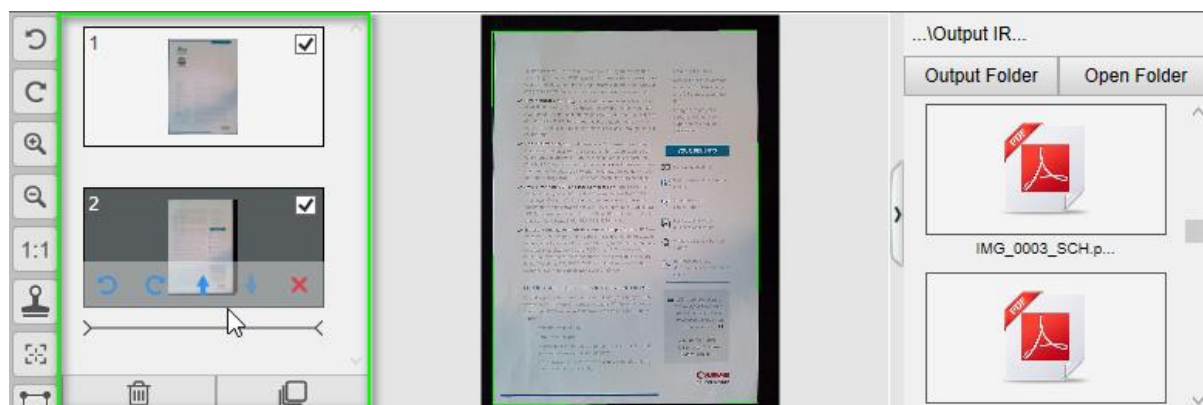
4.1.4 The Preview window

In the middle part of the screen, you see the **Preview** from the camera.

If you don't see the preview from the camera, you can double check the following items:

1. Make sure your IRIScan™ Desk™ is connected to your PC via a USB cable;
2. Make sure you have lift up the horizontal arm of your camera, which is supposed to be 90 degrees from its vertical stand. (If the camera arm is closed, you will likely see a complete black background even if the camera is working correctly.)

When the **Export** results in two steps (ex. scan mode: **Multiple page**, cf. [Settings Options](#)), then the **Preview thumbnails** appears.



Preview window and Preview thumbnails

The Preview thumbnails

The **thumbnails** give you a **preview** of all your pages before the **Export**. On each thumbnail, some actions are also possible: you can rotate 90° left, rotate 90° right, move a page up or move a page down, or delete a page.

By double-clicking on a thumbnail, the [Document Page Editor](#) opens. This Editor allows you to rework the result of your scan, page per page.



The bin at the bottom of the screen deletes all the pages. A confirmation message is displayed.



This icon allows you to unselect all or select all the thumbnails.

4.1.5 The Device/Camera settings bar

On the bottom bar of the screen, some control settings for the device are available:

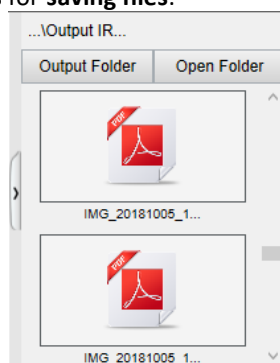


Settings	Explanations
Device	Document Scanner
Resolution	Select the camera/video resolution in mega pixel (MP)
Zoom	Select the zoom for the preview display. This is real size of camera 100%. Zoom in 1.5 times (150%), 2 times (200%) or 3 times (300%). You can also use your mouse scroll wheel to change the zoom value step by step.
Size indicator	Indicates the size of the selected file in the Output panel

TIP: In the **Resolution** options, selecting higher resolutions will cause lower video frame rate. If you are capturing a still image or scanning a document, select the highest resolution available. If you are using this device as Video recorder, then selecting a lower resolution may bring a smoother video experience.

4.1.6 The Output panel

On the right side of the screen are the setting options for **saving files**:

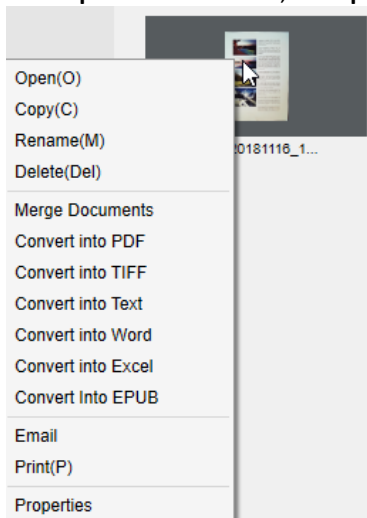


Button	Explanations
	Opens the file browser of Windows®. Select a folder. The chosen folder contains the saved files.
	Opens the current file folder (cf. Windows® Explorer)

NOTE: After this software installation, all **Main Functions** have their default saving directory path set to **... \Documents**.

TIP: By clicking on **Output Folder** in each **Tab**, you can set a different saving directory path for each of them. By doing this, you can capture different types of files into different directories.

When you right-click on the file images shown in the **Output Folder** column, a **drop-down list menu** opens with the following options:



Right Click Options	Explanations
Open	Opens the file
Copy	Copies the file to clipboard
Rename	To Rename the file
Delete	Deletes the file. You can also Press Delete on your keyboard. A confirmation is required. WARNING: Deleting files via this Output Panel also deletes the files in the Source folder (cf. Windows® Explorer)
Merge Documents	Opens the Compare and Merge tool to compare multiple images side by side
Convert into PDF	Convert file into a PDF file. The File Conversion Tool opens
Convert into TIFF	Convert file into a TIF image. The File Conversion Tool opens
Convert into Text	Convert file into Text. The File Conversion Tool opens
Convert into Word	Convert file into Word. The File Conversion Tool opens
Convert into Excel	Convert file into Excel. The File Conversion Tool opens
Convert into EPUB	Convert file into EPUB. The File Conversion Tool opens

E-mail	Opens your e-mail client to send the file as an e-mail attachment (.zip format) WARNING: To use the E-mail function, make sure your computer have installed an e-mail software client, such as Microsoft Outlook.
Print	Prints an image file by using a printer (a printer must be configured)
Properties	Opens the properties window of the file

TIP: The [Compare and Merge](#) function can work on one or more image files at the same time. You can press the 'shift key' or 'Ctrl key' on the keyboard to help select multiple image files.

You can hide this panel by clicking on the hide button



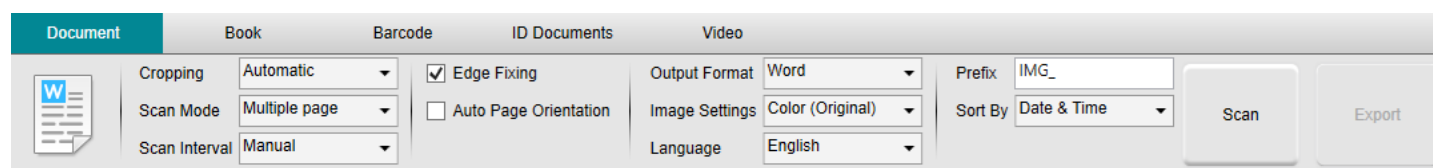
Hide button

4.2 Discovering the main functions and their Settings Options

Each function offers **Settings** that are described and explained below.

For more full description of use cases, refer to chapter [Creating new documents](#)



4.2.1 Document



Feature	Settings Options	Explanations
Cropping	Automatic	Auto cropping
	No cropping	No cropping
	Self-Defined	Manual cropping
Scan Mode	Single page	Scan one page at a time. The export is done after each page. One image = one document.
	Multiple page	2-step procedure: first, scan multiple pages. You can see the scanned pages in the 'thumbnails Preview'. Then, export/save all at once when you are ready. The export results in one single document.
	Merge horizontally	Scan 2 pages: A and B. A and B are merged side by side. The 'thumbnails Preview' shows you the expected result. If needed, you can use the Rotate option on the thumbnail.
	Merge vertically	Scan 2 pages: A and B. A and B are merged one above the other. The 'thumbnails Preview' shows you the expected result. If needed, you can use the Rotate option on the thumbnail.
Scan interval	Manual	You manually trigger the capture by pressing Scan
	Automatic	The system automatically detects the page turning and triggers the Scan button
	Repeat (5sec)	Automatic capturing by countdown of 5 seconds
	Repeat (7sec)	Automatic capturing by countdown of 7 seconds

Edge Fixing	Yes or No	Automatic correction of the document edges if the paper edges are damaged. For example, if a paper's corner is ripped off due to a staple, then this edge-fixing feature will produce a fake corner for this paper (it fills in the missing parts with white) WARNING: Side effect: Edge Fixing may also hide some parts of a picture in the document because the black color is also detected as a zone to be hidden. Cf. Known limitations
Auto Page Orientation	Yes or No	Automatic orientation of the page. This automation setting occurs before scanning only. If you wish to correct the orientation between scanning and exporting, you can use the thumbnails preview actions.
Output Format <i>(OCR technology by I.R.I.S when OCR applicable)</i>	JPG	Save to JPEG format
	PDF (Image)	Save to PDF format (as an image). No text recognition (OCR) is executed on your document. Your PDF file will not be text-searchable, it only contains the image of your original document. By default, Standard Compression is applied when exporting to this format. See iHQC preferences in the General Settings .
	PDF (Searchable)	Scan Image, run OCR to extract text, save result in PDF searchable format. 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. NOTE: since the image covers the text, any recognition mistakes will not be visible. By default, Standard Compression is applied when exporting to this format. See iHQC preferences in the General Settings . NOTE: when exporting to this format, the suffix ' SCH ' is added to the file name.
	PDF (Text)	Run OCR to extract text, save result in PDF searchable format. This file type contains the recognized text, but does not contain the original image of your document. Any images in the original document are included as graphics in the PDF file. By default, Standard Compression is applied when exporting to this format. See iHQC preferences in the General Settings . NOTE: when exporting to this format, the suffix ' TXT ' is added to the file name.
	Text	Run OCR to extract text, save result in Text format
	Word	Run OCR to extract text, save result in Word format
	Excel	Run OCR to extract text, save result in Excel format
Image Settings	B&W (Document)	Output image in Black & White
	Color (Original)	Output image in original color style
	GrayScale	Output image in gray style
Language	List of many languages	Available languages for OCR (<i>Optical character recognition technology by I.R.I.S</i>). Selection is enabled depending on the chosen output format.
Prefix	IMG_ (by default)	Edit a prefix for the file name
Sort by	Serial	Name and Sort the saved file by serial number
	Date & Time	Name and Sort the saved file by date and time

4.2.2 Book

Document	Book	Barcode	ID Documents	Video
	Cropping: Curve Fitting Scan Interval: Repeat(7sec)	<input type="checkbox"/> Edge Fixing <input checked="" type="checkbox"/> Finger Hiding	Output Format: PDF(Searchable) Image Settings: Color (Original) Language: English	Prefix: Book_ Sort By: Serial Demo Video 
<div>Start</div> <div>Export</div>				

Feature	Settings Options	Explanations
Cropping	Curve fitting	Automatic cropping considering the curves of the pages. (Book mode)
	Straight fitting	Automatic cropping based on straight lines as if the pages were flat. (Magazine mode)
Scan interval	Manual	You manually trigger the capture by pressing Scan
	Automatic	The system automatically detects the page turning and triggers the Scan button
	Repeat (5sec)	Automatic capturing by countdown of 5 seconds
	Repeat (7sec)	Automatic capturing by countdown of 7 seconds
Edge Fixing	Yes or No	<p>Automatic correction of the document edges if the paper edges are damaged. For example, if a paper's corner is ripped off due to a staple, then this edge-fixing feature will produce a fake corner for this paper (it fills in the missing parts with white)</p> <p>WARNING: Side effect: Edge Fixing may also hide some parts of a picture in the document because the black color is also detected as a zone to be hidden. Cf. Known limitations</p>
Finger hiding	Yes or No	<p>Hiding fingers in the specified area cf. Demo video button</p> <p>TIP: For a better result Make sure you keep black edges around the book. Make sure you keep up and down edges symmetrical. Make sure the document has a margin in which your fingers can fit. Cf. Known limitations</p>
Output Format	JPEG	Save as JPEG format
	EPUB	<p>EPUB is a free and open e-book standard by the International Digital Publishing Forum (IDPF). EPUB is designed for reflowable content, meaning that the presentation of the content automatically adapts itself to the device on which it is opened. EPUB also supports fixed-layout content.</p> <p>WARNING: IRIScan™ Desk only creates body text (line wrap) in EPUB files. Images are not included!</p> <p>TIP: .epub files can be read by the Microsoft® Edge browser.</p>

	PDF (Image)	Save to PDF format (as an image). See Above for more info.
	PDF (Searchable)	Scan Image, run OCR to extract text, save result in PDF searchable format. See Above for more info.
Image Settings	B&W (Document)	Output image in Black & White
	Color (Original)	Output image in original color style
	GrayScale	Output image in gray style
Language	list of many languages	Available languages for OCR. Selection is enabled if the output format is PDF searchable.
Prefix	Book_ (by default)	Edit a prefix for the file name
Sort by	Serial	Sort the saved file by serial number
	Date & Time	Sort the saved file by date and time

For a more detailed description of how to scan a book, you can refer to the [How to](#) chapter.

4.2.3 Barcode (Pro version)

Feature	Settings Options	Explanations
Cropping	Automatic	Auto cropping. Resulting in one single output file (even if multiple barcodes are scanned)
	Automatic (Multiple)	Auto-cropping. Resulting in multiple output files (one per barcode recognized) if the position of each barcode is well delimited on the Soft Mat. Green frames are displayed to help.
	No cropping	No cropping
	Self-Defined	Manual cropping/selecting
Scan interval	Manual	You manually trigger the capture by pressing Scan
	Automatic	The system automatically detects the page turning and triggers the Scan button
Barcode	Barcodes	"One dimensional" or linear barcodes (first generation). (i.e. EAN-13, EAN8, MSI Plessey, MSI Pharma, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, Code 39, Code 39 extended, Code 39 HIBC, Code 9, Code 128, Postnet, Postnet 32, Postnet 52, Postnet 6, Patchcode, UCC 128)
	QR	Matrix codes that are a two-dimensional way of representing information. (i.e. QR codes, PDF417, DataMatrix)

Scan For (enabled when Cropping is Automatic, No Cropping or Self-Defined)	Multiple codes	This allows you to scan and recognize multiple barcodes at once (of same type).
	Single code	This allows you to select one single barcode among several ones. If used with Cropping Self-Defined , the JPG output is limited to the selected barcode.
Output Format	Excel+JPG	2 or more files are generated: <ul style="list-style-type: none"> One JPG file per barcode image (if Cropping is set on Automatic (multiple), otherwise one image file only) One Excel file that lists the recognized barcodes together with a link to the scanned image(s)
	Text+JPG	2 or more files are generated: <ul style="list-style-type: none"> One JPG file per barcode image (if Cropping is set on Automatic (multiple), otherwise one image file only) One Text file that lists the recognized barcodes. It does not include a link to the scanned image(s)
	Excel	Save result as a list in Excel format only, no image.
	Text	Save result as a list in Text format only, no image.
	JPG	Save result as image file(s) only
	PDF (Image)	Save result as an image in PDF format. See Above for more info.
Image Settings	Color (Original)	Output image in original color style
	B&W (Document)	Output image in Black & White
	GrayScale	Output image in gray style
Prefix	IMG_ (by default)	Edit a prefix for the file name
Sort by	Barcode	Name and sort the saved file by barcode value (recognized from the scan)
	Serial	Name and sort the saved file by serial number
	Date & Time	Name and sort the saved file by date and time

4.2.4 ID Documents (*Pro version*)

You can refer to the parameters of the [Document](#) tab and the [Barcode](#) tab .

4.2.5 Video

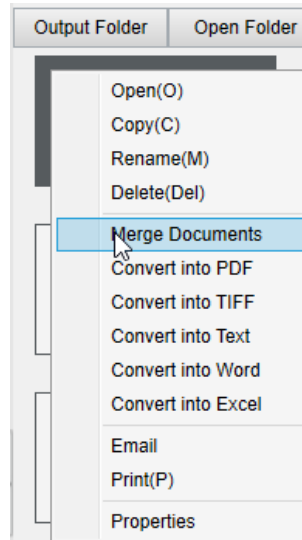
Feature	Settings Options	Explanations
Output Format	AVI	Old Microsoft™ video format. AVI files are able to run on a number of different systems like Windows, Macintosh, Linux; and is also supported by popular web browsers. Offers minimal compression.
	MP4	The MP4 file format is a file sharing format for the Web. MP4 file sizes are relatively small but the quality remains high even after compression. MP4 standard is also becoming popular for online video sharing, as it compatible with both online and mobile browsers and also supported by the new HTML5. MP4 files are an open standard that everyone can use.
	FLV	The Flash video format is very fashionable for streaming video on websites corresponding to YouTube and Google Video. FLV files are generally tiny and may be downloaded quite promptly.
	WMV	Microsoft™ video format. WMV files are the tiniest video files over the Web, as their file size decreases significantly after compression, which results in poorer quality. However, one advantage of this small file size is that it allows you to upload and share your videos through the e-mail system.
Audio Settings	Microphone (High Definition Audio Device) #1	Internal Microphone (embedded to your PC)
	Microphone (High Definition Audio Device) #2	Internal Microphone (embedded to your PC). Try this #2 if no result with #1
	Line In (high Definition Audio Device)	If you are using an external microphone (not embedded)
Prefix	VIDEO_ (by default)	Edit a prefix for the file name
Sort by	Serial	Name and sort the saved file by serial number
	Date & Time	Name and sort the saved file by date and time

Note the **FaceCam recorder** Option thanks to the [Webcam icon](#) in the Camera Toolbar. cf. [How to record a video including FaceCam](#).

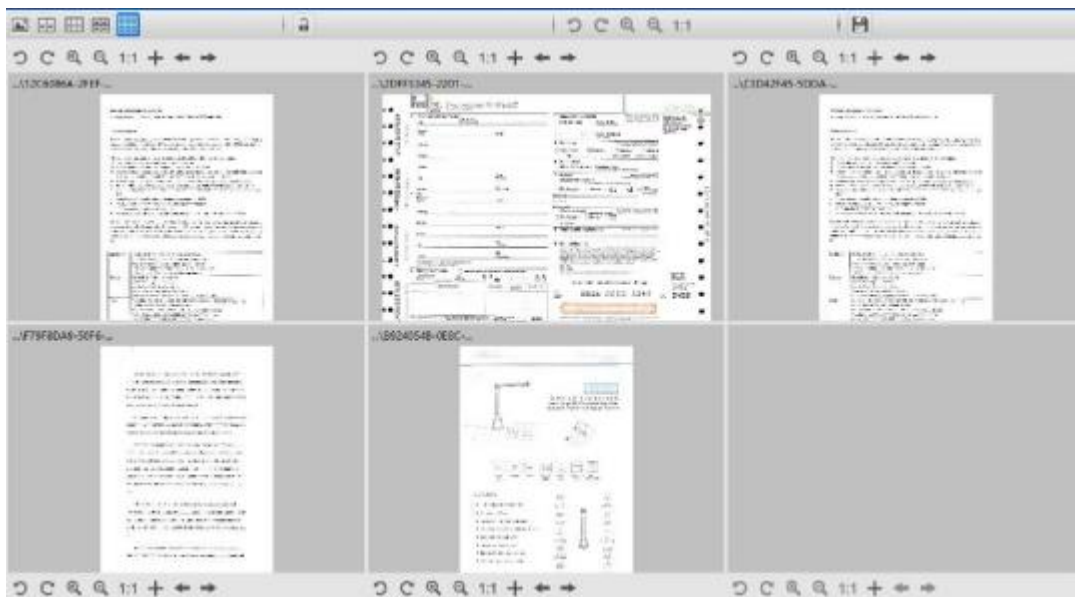
5. Using the integrated tools

5.1 Using the Compare and Merge Tool

1. Right-click on an **image file (JPG)** shown in the [Output Folder panel](#). The drop-down menu opens.
2. Select the option '**Merge Documents**'. The **Compare and Merge Tool** opens.



Right-Click drop down menu: Merge Documents



Compare and Merge tool interface

Comparing images

The tool interface allows you to compare and merge up to 6 images side by side.

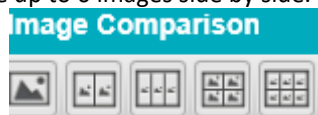

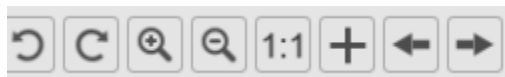












Image Comparison buttons

When the padlock is unlocked ,

you can act *independently* on each image preview thanks to the control buttons bar above or below each preview square.



Buttons		Explanations
		Rotate Left 90 Degrees
		Rotate Right 90 Degrees
		Zoom In
		Zoom Out
		Fit Screen / 1:1 Display
		Add an image. The file browser window opens, allowing you to select a local image in a different folder.
		Previous and Next arrows browse images in the defined current folder!


If you lock the padlock ,

you can act *collectively* on all the images thanks to the control buttons bar at the top of the screen (the independent toolbars are disabled)



Save Result (Merging)

You can merge and save the result of all your images together as one new image file.

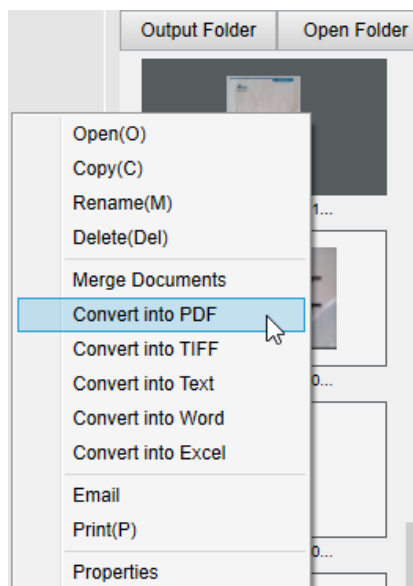
1. Click **Save** . The **Save As** window opens.
2. Enter a **File name**. Click **Save**.
3. A new image file has been created in the [Output Folder Panel](#).

5.2 Using the File Conversion Tool

1. Right-click on an **image file (JPG)** shown in the [Output Folder panel](#). The drop-down menu opens.
2. Select an option '**Convert to...**'. The **File Conversion Tool** opens.

The converting option is enabled for the **image files** that are not yet converted into an editable format or into a PDF. Moreover, you can also convert a JPG image to the TIFF format.

NOTE: not only does the tool convert the images into another format, but it also exports them into **one single document (Append)**.



Right-Click drop down menu: Convert into...

The tool interface presents the following areas:

The Image File List

File Conversion Tool		
NO.	Image File List	
1	D:\Output IRISmart Desk\IMG_20181106_135051.jpg	
2	D:\Output IRISmart Desk\IMG_0005.jpg	

Thanks to the buttons **Add**, **Up**, **Down**, **Top**, **Bottom** and **Delete**, you can easily feed and organise your list of files to convert.



The Output Options

You can confirm your **Output settings** before the Export: the [Output Format](#), the [OCR language](#), the saving path for the **Output Folder** and the **File name**.

If your chosen Output format is a **PDF**, then you can also select a size for it, which may have an impact on the quality of the image: **small** (lower quality), **middle** (medium quality), **large** (higher quality)

The screenshot shows the 'Output Options' dialog box. It has several sections:

- Output Format:** A dropdown menu set to 'PDF(Searchable)'.
- Language:** A dropdown menu set to 'English'.
- Save Path:** A text input field containing 'D:\Output IRISmart Desk' and a 'Select' button to the right.
- File Name:** A text input field containing 'D:\Output IRISmart Desk\IMG_20181008_111009_009_SCH.pdf'.
- PDF Size:** A horizontal slider bar with three labels: 'Small', 'Middle', and 'Large'. The slider is positioned exactly in the middle, between 'Small' and 'Large'.

The Picture Preview

The **Picture preview** displays the selected document in the **Image File List**.

The Export Button

Eventually, you export your list of files by clicking **Export**.



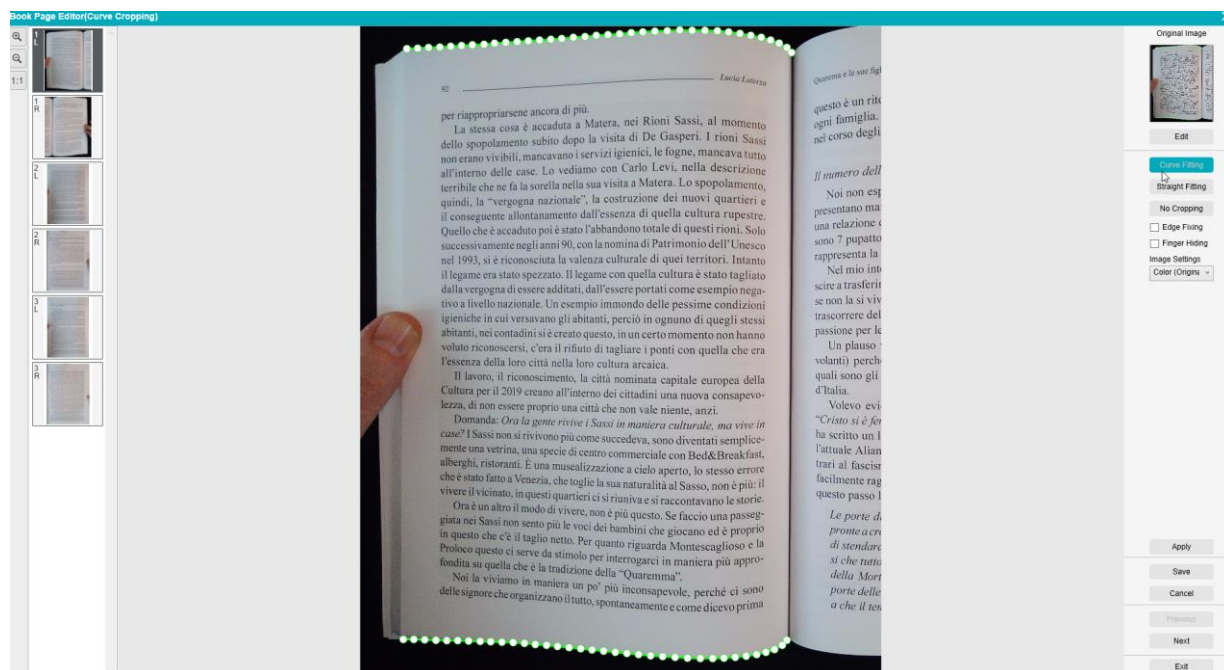
NOTE: It does export all from the list into one single document (**Append**)

TIP: You can also [open and convert](#) a local image file

5.3 Using the Document/Book Page Editor Tool

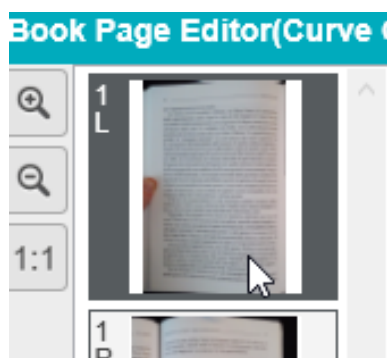
This Editor opens when double clicking on a thumbnail from the [preview thumbnails panel](#). It allows you to rework the result of your scan, **page per page**.

The **settings** available are similar to those present in tabs Document or Book, but here you can review them and apply those you want **page per page**.



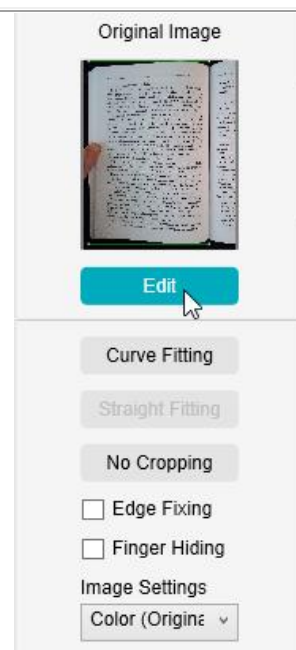
Book page Editor: full view

1. Select a page in the preview thumbnails panel
2. Click **Edit** in the right-hand side panel



Select a page

Indication of L (Left) or R (Right) appears



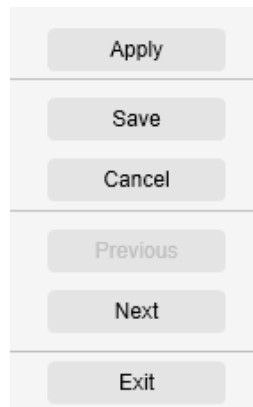
Click **Edit** to edit settings (per page)

3. Select the **settings** you want to apply

Available **settings** parameter:

Book	Document
<ul style="list-style-type: none"> • Curve fitting • Straigth fitting • No Cropping • Edge fixing • Finger hiding • Image settings 	<ul style="list-style-type: none"> • Automatic Cropping • No Cropping • Edge fixing • Image settings

4. In the right-hand side panel, click **Apply** to see the result
5. Click **Save** if you wish to keep your changes or Click **Cancel** if you want to reject your changes
6. Click **Next** to jump to the next page. Or click on a new page in the thumbnails to proceed to a different page.
7. Click **Exit** to return to the main screen when you are done with your edition.



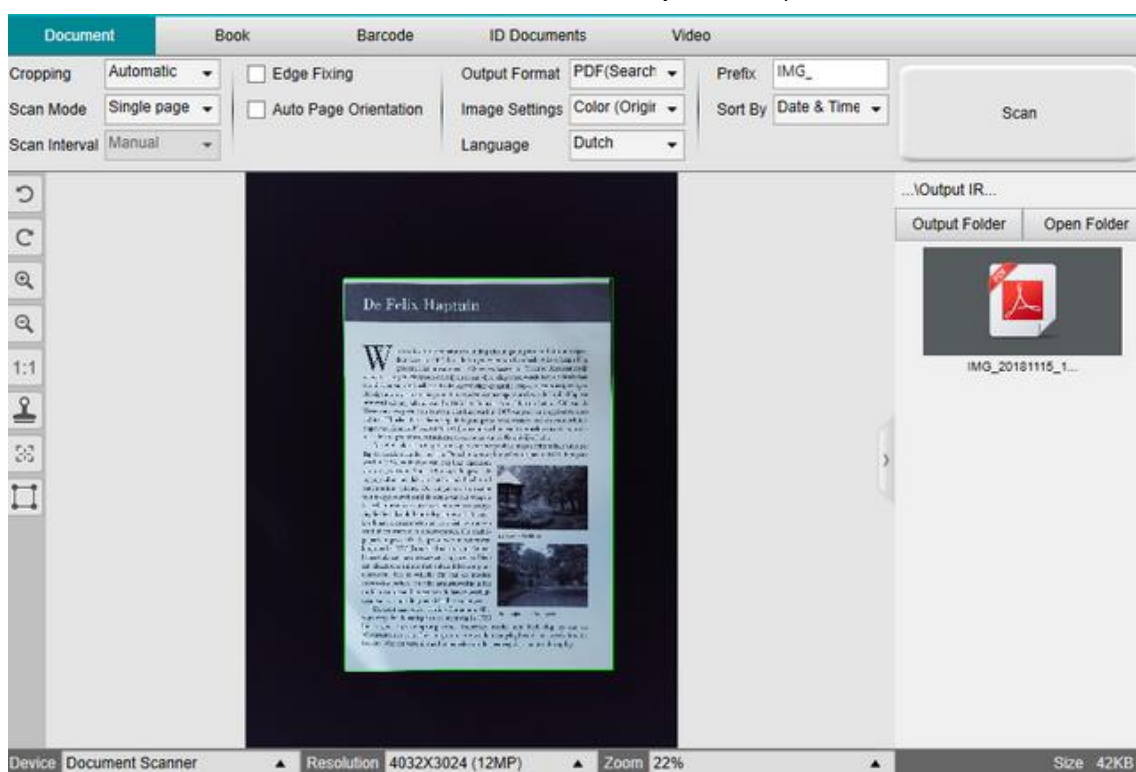
Right-hand side panel: actions

6. Creating new documents: How to

6.1 How to scan a single page document into a PDF file?

To scan a single page document into a PDF file, follow these steps:

1. Click on the **Document** tab in the Ribbon
2. Set the **Cropping** to 'Automatic'. This instructs the software to search for a single meaningful document in the preview and crop out a good image. Once a meaningful object is detected, you see a green color frame drawn around the document in the preview window, as illustrated in the diagram below. The software will also automatically repair the image edge and remove some undesired shadows
3. Set the **Scan Mode** to 'Single Page'. This instructs the software to only capture one page of the document
4. Set the **Output Format** to the [PDF of your choice](#). This instructs the software to export the image file in the PDF format
5. Set the **Image Settings** to 'Color (Original)'
6. If you selected PDF searchable as Output Format, then select the right **Language** for OCR
7. Set the **Sort By** option to 'Serial' or 'Date & Time'
8. Click on **Scan** in the Ribbon. A PDF file has been created in the **Output Folder** panel



Scan a single page document

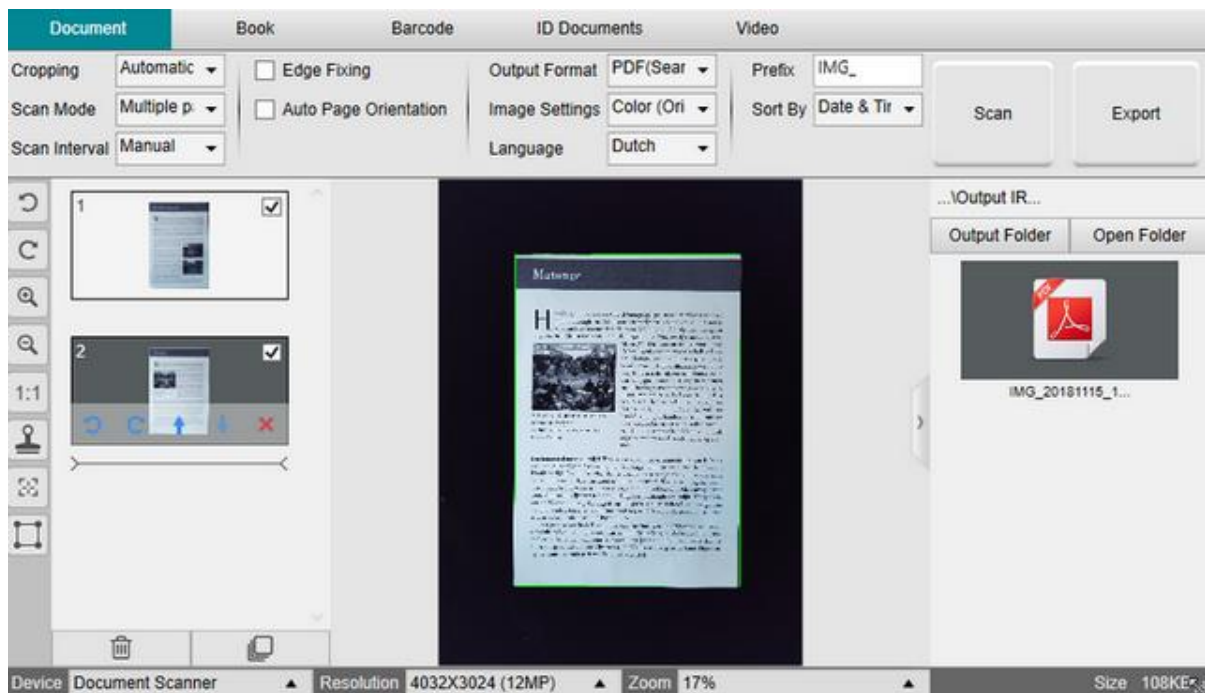
6.2 How to scan a multiple page document into one PDF file?

To scan a multiple page document into one PDF file, follow these steps:

1. Click on the **Document** tab in the Ribbon
2. Set the **Cropping** feature option to 'Automatic'
3. Set the **Scan Mode** to 'Multiple'. This instructs the software to capture multiple pages of the document
4. Set the **Scan Interval** to 'Manual'. This instructs the software to wait for the user to click **Scan** before each capture. (You can also select the 'Automatic' option to let the software self-detect the page turning process, or use 'Repeat (5/7 sec)' options to let the software repeatedly capture images after 5 or 7 seconds.)
5. Set the **Output Format** to the [PDF of your choice](#)
6. Set the **Image Settings** to 'Color (Original)'
7. If you selected PDF (searchable) as Output Format, then select the right **Language** for OCR
8. Set the **Sort By** option to 'Serial' or 'Date & Time'
9. Click **Scan** to capture one page. A new page is added in the **Preview thumbnails**. Repeat.
10. After all pages have been captured, click **Export**. A new PDF file has been created in the **Output Folder** panel

TIP: During the image capture process, you can manipulate the temporary images in the **Preview thumbnails**, 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 (bin) to delete all images when you are done.

By double-clicking on a thumbnail, the **Document Page Editor** opens. This **Editor** allows you to rework the result of your scan, page per page.



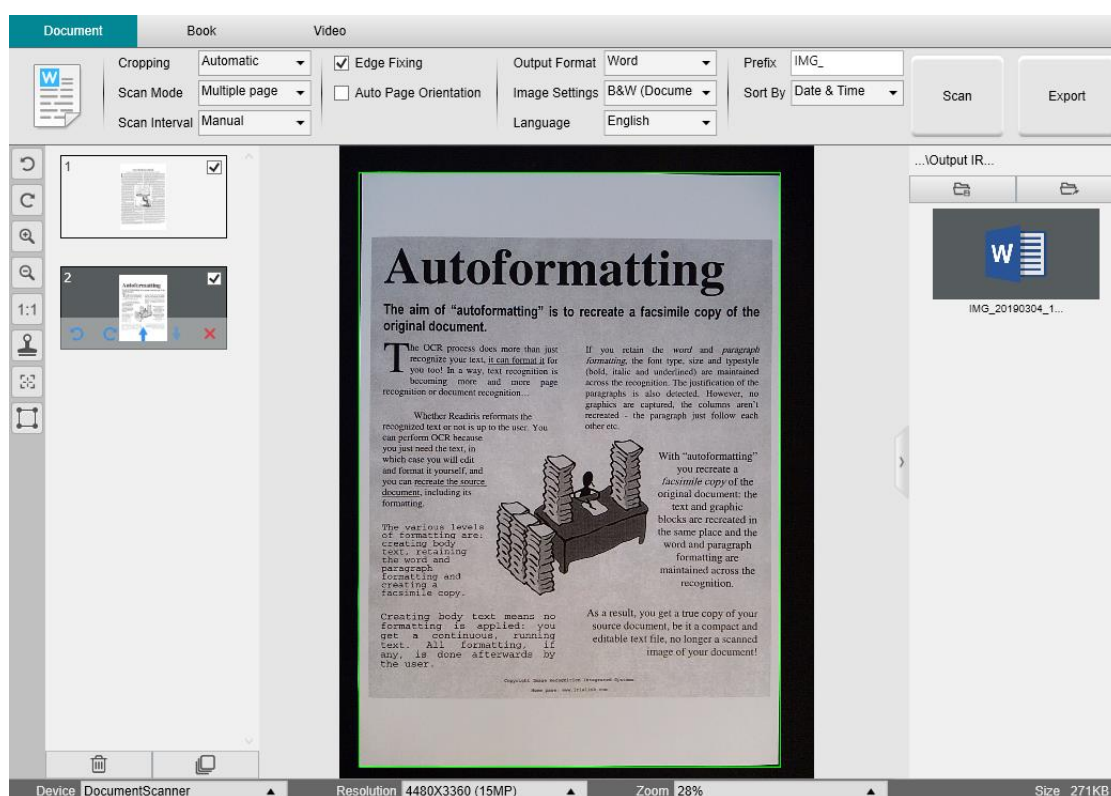
Scan multiple page document into a PDF file

6.3 How to scan a document and use OCR feature to convert it into a WORD file?

To scan a multiple page document into a Word file, follow these steps:

1. Click on the **Document** tab in the Ribbon
2. Set the **Cropping** feature option to 'Automatic'
3. Set the **Scan Mode** to 'Multiple'. This instructs the software to capture multiple pages of the document
4. Set the **Scan Interval** to 'Manual'. This instructs the software to wait for the user to click **Scan** before each capture. (You can also select the 'Automatic' option to let the software self-detect the page turning process, or use 'Repeat (5/7 sec)' options to let the software repeatedly capture images after 5 or 7 seconds.)
5. Set the **Output Format** to Word
6. Set the **Image Settings** to 'B&W (document)'
7. Select the **Language** of your document for OCR!
8. Set the **Sort By** option to 'Serial' or 'Date & Time'
9. Click **Scan** to capture one page. A new page is added in the Preview thumbnails. Repeat
10. After all pages have been captured, click **Export**. A new Word file has been created in the **Output Folder** panel

TIP: During the image capture process, you can manipulate the temporary images in the Preview thumbnails, 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 (bin) to delete all images when you are done.

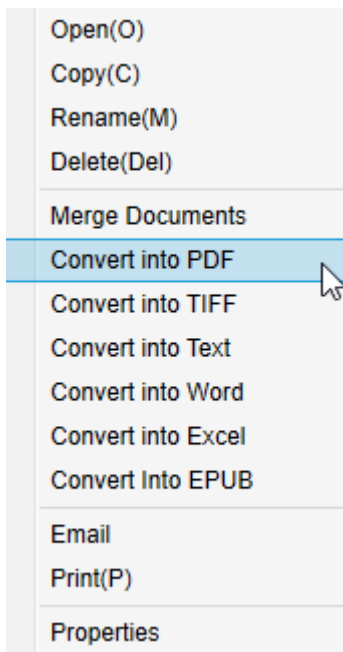


Scan and export to a Word file (OCR)

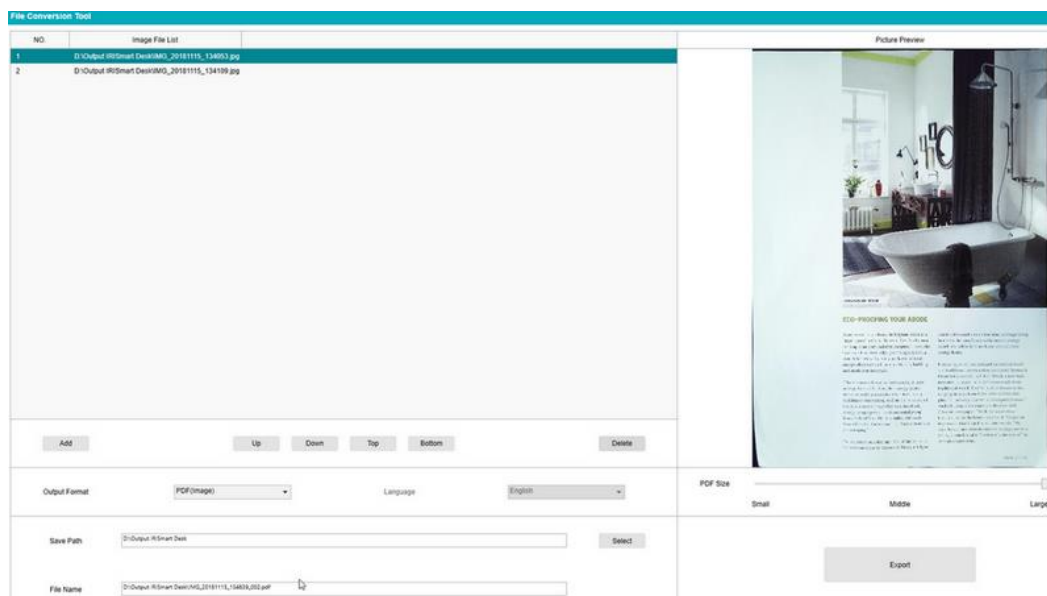
6.4 How to append multiple images files into one PDF file?

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

1. In the [Output Folder panel](#), 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. The drop-down menu opens.
3. Select the option '**Convert to PDF**'. The [File Conversion Tool](#) opens.



3. There you can Add, Delete, Move Up, or Move Down an image, or you can adjust PDF file size, or you can also name the File Name for the targeted output PDF file;
4. When you are ready, click **Export** to create one single PDF (image) file.



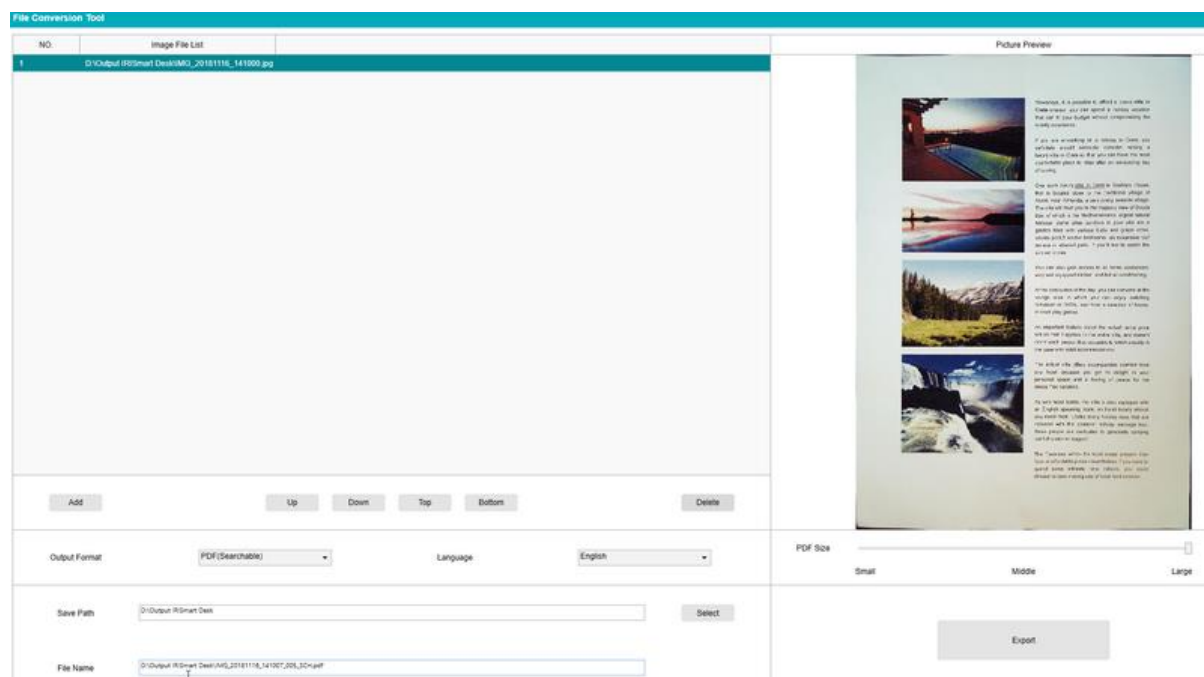
Append multiple images files into one PDF file

6.5 How to open and convert an image file?

To open an **image file** and convert it, follow these steps:

(You can choose your favorite steps 1 and 2)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Click on Output Folder in the Output Folder panel. The file Browser of Windows™ opens. 2. Browse and select the folder on your local machine that contains the image files you want to convert. Click OK. | <ol style="list-style-type: none"> 1. Click on Open Folder in the Output Folder panel. The file Browser of Windows™ opens. 2. Browse and select the image files you want to convert. Copy them into the chosen output folder you configured. |
|---|---|
3. The files are now available in the Output Folder panel. Right-click on the image file of your choice. The drop-down menu opens.
 4. Select an option '**Convert to PDF**'. The [File Conversion Tool](#) opens.
 5. Click **Add** to browse and select another file to convert. Add as many files as you want. Use the **Up**, **Down**, **Top** or **Bottom** buttons to organize your files list. Be aware that the export of your files results in one single document (Append action).
 6. Set the **Output Format** to PDF (Searchable) for example.
 7. Select the **Language** of your document for OCR.
 8. Select the **Save path** where to save your output/export.
 9. Edit the **File Name** if needed.
 10. Select the PDF size. By default, Standard compression applies. See **iHQC preferences** in the [General Settings](#).
 11. Click **Export**. A new PDF (Searchable) file has been created.



Open and Convert a file thanks to the File conversion tool

6.6 How to scan a book?

First, watch the **Demo Video** that shows you how to hold the book for a proper scan. You can watch it at any time: simply click **Demo Video** in the **Ribbon** (tab **Book**).

With the option **Finger hiding** checked, your fingers that are positioned as in the demo video are hidden.

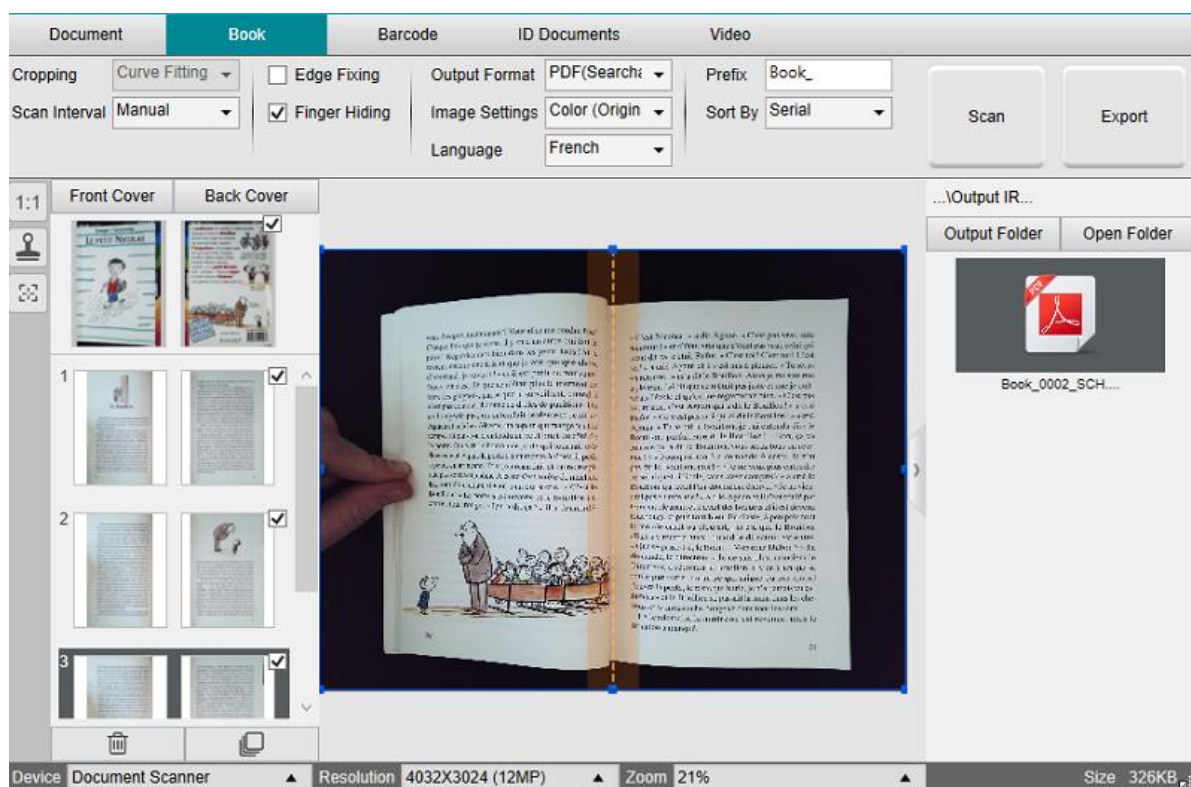
To scan a **Book** into one PDF file, follow these steps:

1. Click on the **Book** tab in the Ribbon;
2. Set the **Scan Interval** to 'Automatic'. This instructs the software to self-detect the page flipping process. You can also use the 'Repeat (5/7 sec)' options to let the software repeatedly capture images after 5 or 7 seconds.)

Tip: The book mode offers you to capture a **Front Cover** and a **Back Cover**: Click **Front Cover** in the [Preview thumbnails](#), then **Scan**. Click **Back Cover**, then **Scan**. Selecting those covers disable some parameters in the ribbon. Simply unselect to enable the access to those parameters again.

3. Check the [Finger hiding](#) box
4. Set the **Image Settings** feature option to 'Color (Original)';
5. Set the **Output format** to 'PDF Searchable';
6. Set the **Sort by** 'Serial' or 'Date & Time';
7. Click **Scan** to capture one double page, then you should see a new double page has been added on the left side in the **Preview thumbnails**; Click **Stop** if you have chosen **Scan Interval** 'Automatic' or 'Repeat' and you want to stop the scanning.
8. After all pages have been captured, click on **Export**. The [Export Settings](#) window opens.
9. Select **Merge left and right pages** (default selection).
10. Click **Export**. A new PDF file has been created in the **Output** column (right).

During the image capture process, you can manipulate the temporary images on the [Preview thumbnails](#) column, such as move an image up or down the list, or delete the image. You also have access to the buttons **Clear all** or **unselect/select all thumbnails**.

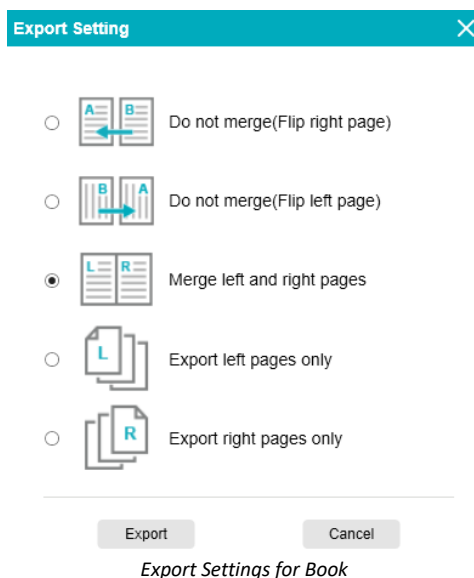


Scan a book

By double-clicking on a thumbnail, the [Book Page Editor](#) opens. This **Editor** allows you to rework the result of your scan, page per page (especially the cropping).

Export Settings Window

1. When ready, click **Export**. The **Export Settings Window** opens



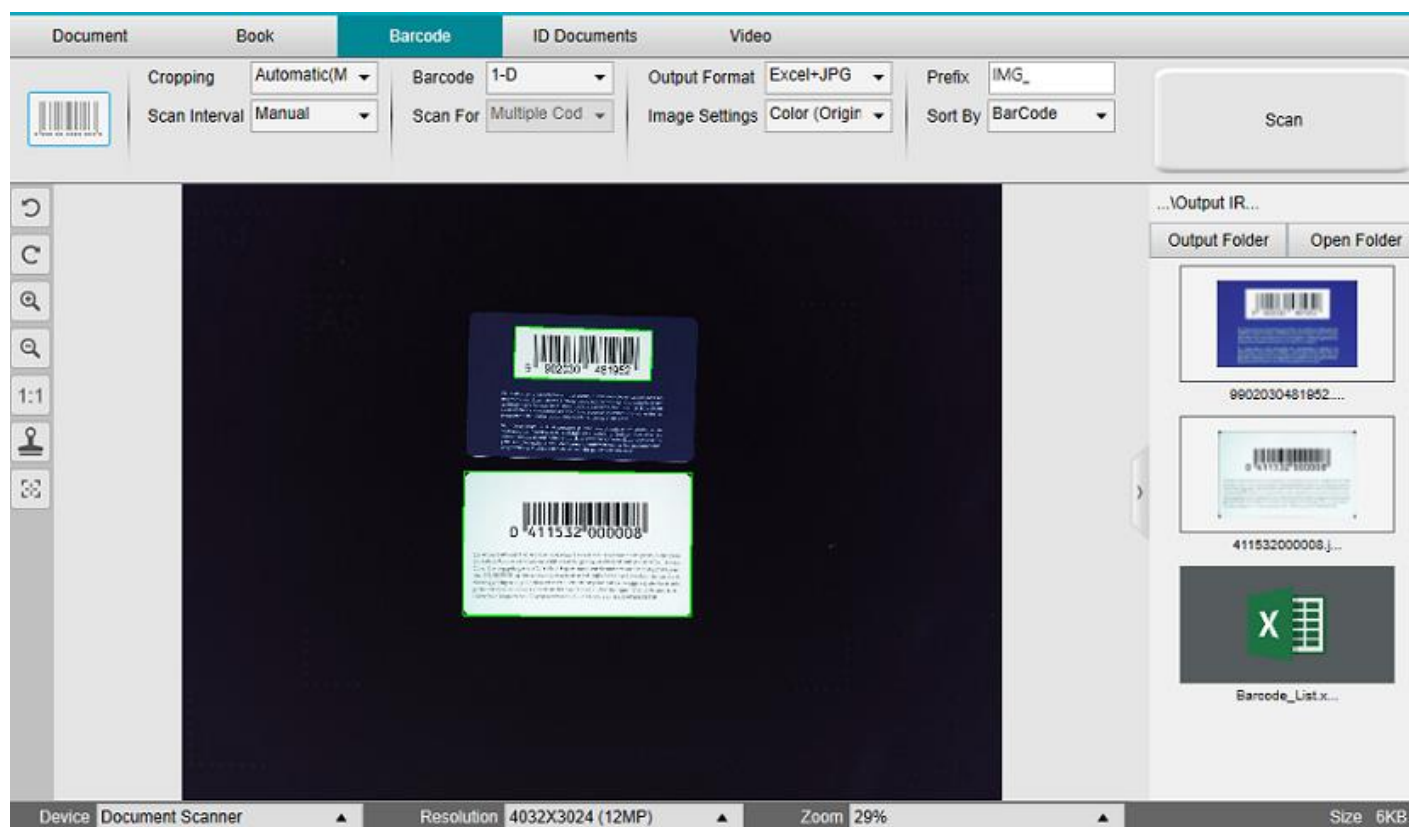
2. Select your option of export.
3. Click **Export**.

Option	Explanations
Do not merge (Flip right page)	One book page gives one single page as a result. Left page comes first, then right page. (Reading left to right)
Do not merge (Flip left page)	One book page gives one single page as a result. Right page comes first, then left page. (Reading right to left)
Merge left and right pages	One double page (left and right) appears on one single page as output.
Export left pages only	One book page gives one single page as output, but left pages only.
Export right pages only	One book page gives one single page as output, but right pages only.

6.7 How to scan barcodes and list the result in an EXCEL+JPG file? (Pro version)

To scan barcodes and list the result in an **EXCEL+JPG** file, follow these steps:

1. Click on the **Barcode** tab in the Ribbon
2. Set the **Cropping** to 'Automatic (multiple)' for generating one single output file per barcode object. ('Automatic' takes one picture of the grouped barcodes and generates one output file)
3. Set the **Scan Interval** to 'Manual'
4. Set the **Barcode** to 'Barcodes' or 'QR code' depending on the code type
5. Set the **Scan for** parameter to 'multiple codes'
6. Set the **Output Format** to 'Excel+JPG'. This instructs the software to export the scanned barcode in an EXCEL file, but also to keep an image file (you can also select 'Text' options to output the scan result into a text file). A hyperlink to the image file appears in the Excel file.
7. Set the **Image Settings** to 'Color (Original)'
8. Set the **Sort by** to 'Barcode', 'Serial number', or 'Date & Time'
9. Click **Scan** in the Ribbon. Multiple images files have been created (one per barcode) in the **Output Folder** panel, plus an **EXCEL** file that stores the scanned barcode values

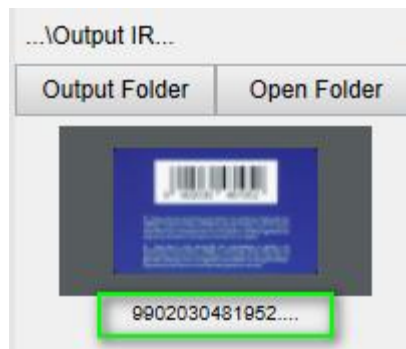


Scan barcodes and list the result in an Excel file

6.8 How to scan barcodes and use the barcode number to name the image file? (Pro version)

To scan barcodes and use the barcode number to name the image file, follow these steps:


1. Click on the **Barcode** tab in the Ribbon
2. Set the **Cropping** to 'Automatic (multiple)'
3. Set the **Sort by** to 'Barcode'. This instructs the software to save the image file and name it with the barcode value scanned from this image
4. Set the **Image Settings** to 'Color (Original)'
5. Set the **Output Format** to 'JPEG'. This instructs the software to save the image file in JPEG format
6. Set the **Barcode** to 'Barcodes'. This instructs the software to scan for 1 dimension barcode
7. Click **Scan** in the Ribbon. A JPEG file is created in the **Output Folder** panel and with its name shown as the barcode number

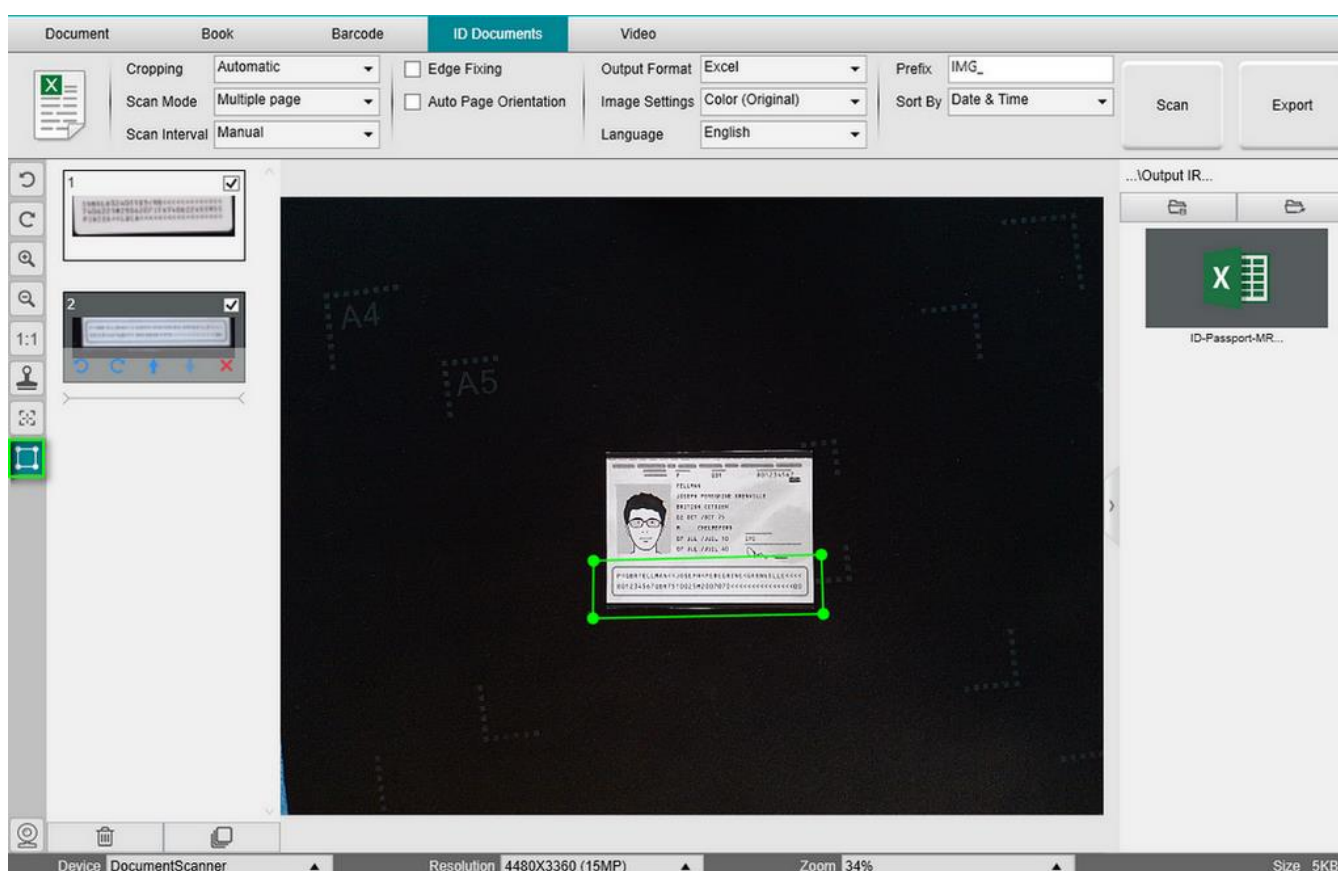


Result: Barcode value used for File name

6.9 How to scan an MRZ code and save the result in an EXCEL file? (Pro version)

To scan an **MRZ code** (on an ID card) and export the result in an EXCEL file, follow these steps:

1. Click on the **ID Document** tab in the Ribbon
2. Set the **Cropping** to 'Automatic'
3. Set the **Scan Mode** to 'multiple page'. This allows you to scan for several MRZ codes before exporting
4. You can choose your **Scan Interval**
5. Set the **Output Format** to 'Excel'. This instructs the software to export the scanned codes in an EXCEL file (without image file)
6. Set the **Image Settings** to 'Color (Original)'
7. Set the **Sort by** to 'Serial number', or 'Date & Time'
8. In the [Camera toolbar](#), select **Manual Cropping** . Crop the image by selecting the MRZ code only.
9. Click **Scan** in the Ribbon.
10. Swap ID cards and fit the MRZ code into the cropping frame you defined manually.
11. Repeat steps 9 and 10 as many times as needed.
12. When finished, click **Export**. An **EXCEL** file has been created in the **Output Folder** panel.



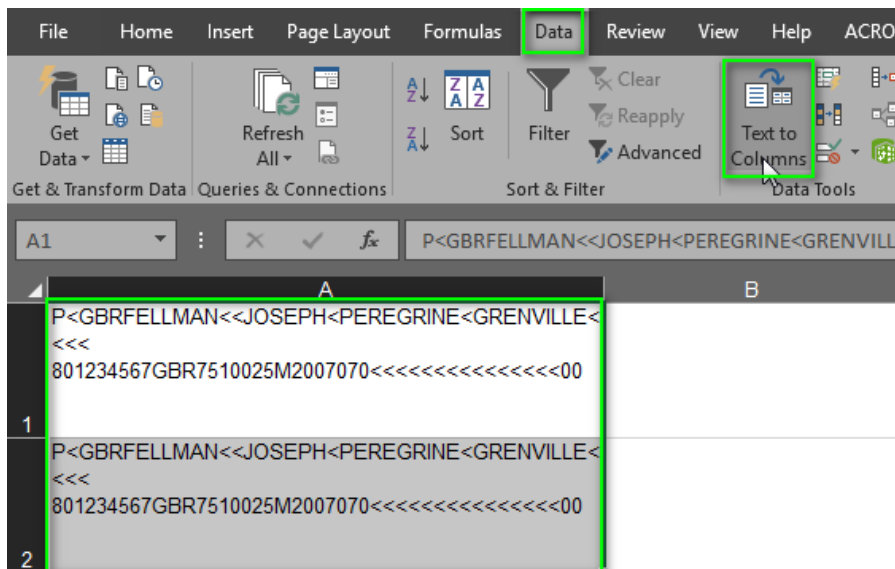
Settings to capture MRZ code

[illegible]

Output in Excel

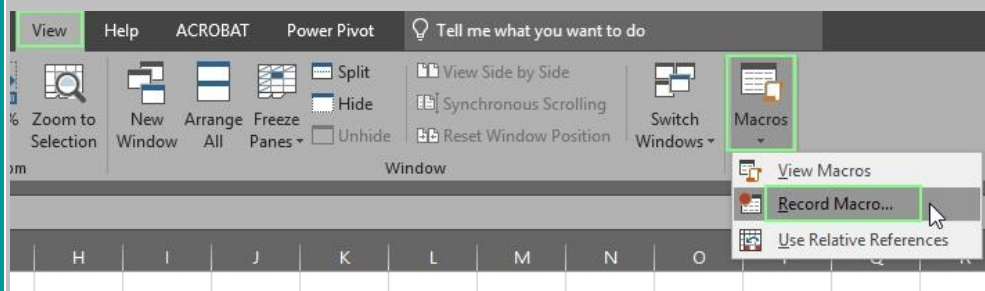
13. To split the data in separate cells, use the features of Excel. Select the cells you need to split, go to **Data menu > Data tools > Text to Columns**. Follow the wizard instructions. For further details, consult the **Excel help**.

If you need to repeat this operation often, you can record a macro in Excel (from the View tab). For more details on macros, consult the Excel help.




Split a single column of text into multiple columns

TIP: If you need to repeat this operation often, you can record a **macro** in Excel (from the View tab. For more details, consult the Excel help).

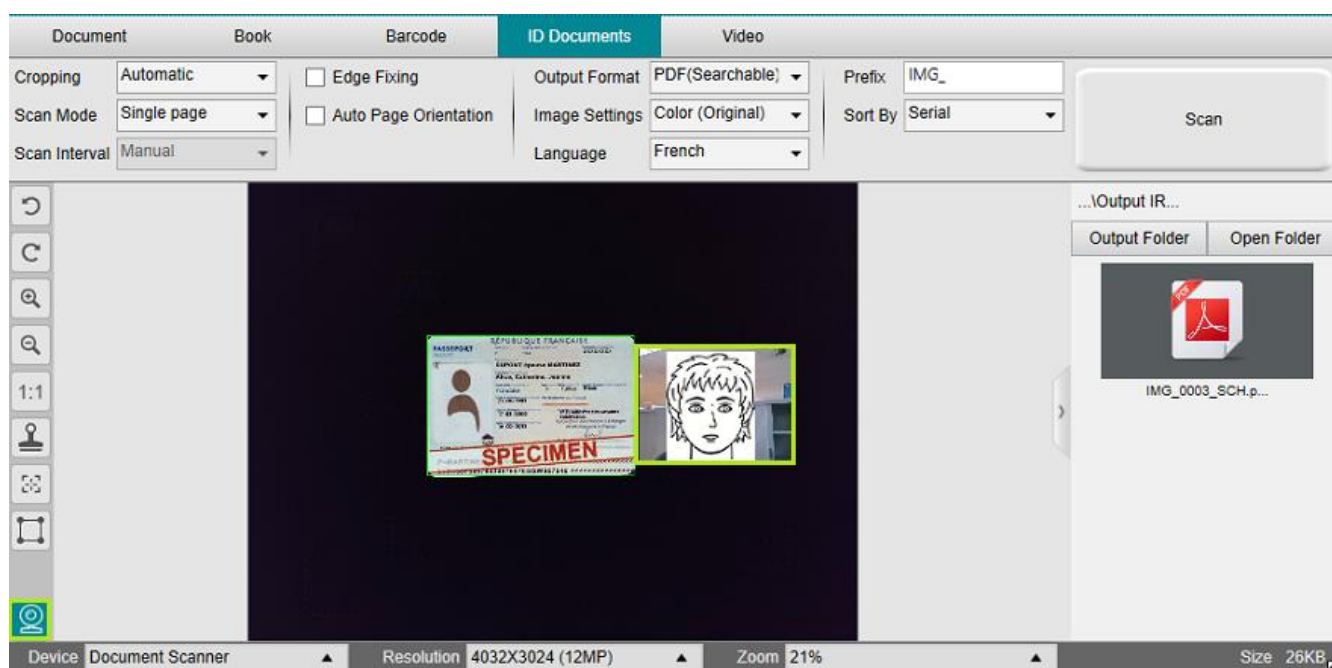


6.10 How to combine an ID Document scan with a photo of the person? (Pro version)

To combine an ID Document scan with a photo of the person into one same PDF file, follow these steps:

1. Click on the **ID Documents** tab in the Ribbon
2. Set the **Scan Mode** to 'Single'
3. Set the **Output Format** to 'PDF (searchable)'. This format allows you to search for content
4. Set the **Image Settings** to 'Color (Original)'
5. Set the **Language** of the OCR to the right one to make the search in the PDF work properly.
6. Place your ID card in the center of the ScanPad.
7. Click on the [WebCam icon](#)  in the camera toolbar to open a webcam window (your computer must be equipped with a webcam).
8. Drag & drop the webcam window beside the ID card (not compulsory)
9. Place yourself or the person in front of the webcam
10. Click **Scan** in the Ribbon. A PDF file is created in the **Output Folder** panel. The first page contains your ID scan, the second page contains the webcam picture

NOTE: if you select **JPG** as the Output Format, then scanning generates two **separate** files: one with your ID scan, the other with your photo.

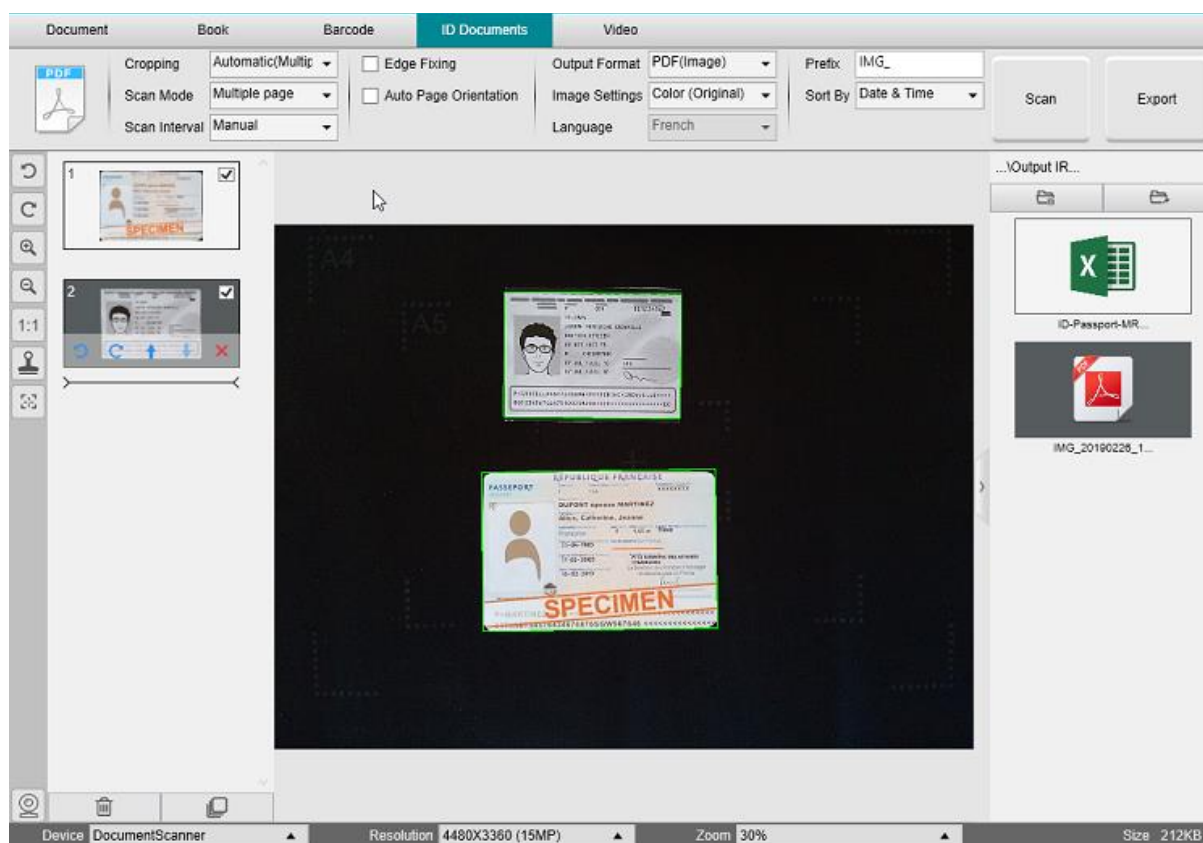


ID card and photo

6.11 How to scan multiple ID cards into one PDF file? *(Pro version)*

To scan multiple ID Documents into one same PDF file, follow these steps:


1. Click on the **ID Documents** tab in the Ribbon.
2. Set the **Cropping** to 'Automatic (multiple)' for generating one single output file per ID object.
3. Set the **Scan mode** to 'Multiple page'. With this value, you can manipulate the temporary images in the [Preview thumbnails](#).
4. Set the **Scan Interval** to your favorite choice.
5. Set the **Output Format** to 'PDF (image)'. If you choose PDF (searchable), do not forget to also set the **Language** of the OCR to the right one.
6. Set the **Image Settings** to 'Color (Original)'.
7. Place your ID cards in the center of the ScanPad.
8. Click **Scan** in the Ribbon. A new page is added in the **Preview thumbnails**. Repeat if necessary.
9. When finished, click **Export**. A PDF file is created in the **Output Folder** panel.

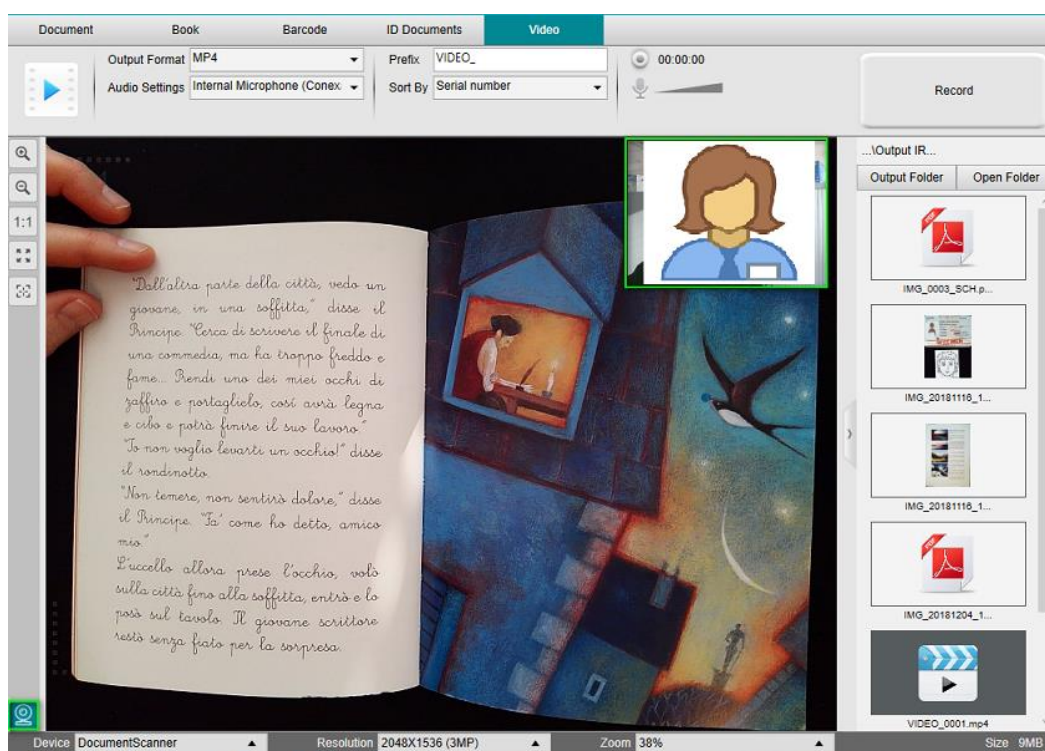


Scan multiple ID documents into one PDF file

6.12 How to record a video including facecam?

To record a video including the facecam option, follow these steps:





1. Click on the **Video** tab in the Ribbon
2. Set the desired **parameters**
3. Place whatever material you want to demonstrate under the camera
4. Click on the **WebCam icon**  in the camera toolbar to open a webcam window (your computer must be equipped with a webcam).
5. Drag & drop the webcam window on your screen where desired.
6. Place yourself or the person that will give explanations in front of the webcam
7. Click **Record** in the Ribbon. Demonstrate and explain.
8. Click **Stop** when finished. A video file is created in the **Output Folder** panel.






FaceCam Recorder

7. Troubleshooting

7.1 Known limitations

DOMAIN	EXPLANATIONS
<p>Edge fixing</p>	<p>Edge-fixing may affect pictures in the document. Indeed, the black color can also be detected as a zone to be hidden.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p><i>Edge Fixing OFF</i></p> </div> <div style="text-align: center;">  <p><i>Edge Fixing ON</i></p> </div> </div>
<p>Finger hiding (Book mode)</p>	<p>For better results, make sure</p> <ul style="list-style-type: none"> • you keep black edges around the book. • you keep up and down edges symmetrical. <div style="text-align: center;">  <p><i>Finger hiding: Up and down edges are symmetrical</i></p> </div> <ul style="list-style-type: none"> • the document has a margin in which your fingers can fit. Indeed, without margin, the result of the option 'Finger hiding' cannot be guaranteed, because the fingers that overlap text or image are not detected. • to avoid pages with colored drawings. <div style="text-align: center;">  <p><i>Finger hiding: avoid pages with colored drawings</i></p> </div>

Sunlight	<p>When working with direct bright sunlight on your document, be aware</p> <ul style="list-style-type: none"> that the shadow of the IRIScan™ Desk may appear on your document before scanning. Once scanned, the shadow is part of the original content. There is no way to hide it or to remove it. It may reduce OCR quality.  <ul style="list-style-type: none"> that some bright reflections can appear depending on the paper color or quality...
Glossy paper	<p>Glossy paper is NOT recommended as it gives lower quality results due to light reflections.</p>
White Balance	<p>The white color may appear bluish or yellowish if white is not the dominant color in your image (images with large color blocks). When this happens, you can try to insert A4 white paper in the background of the document, which helps to correct the color as much as possible.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p><i>White balance - bluish result for white color</i></p> </div> <div style="text-align: center;">  <p><i>White balance - correction of white color with added white in background</i></p> </div> </div>
Video recording	<p>Zoom in or Zoom out is not registered if applied during video recording.</p>
Barcodes (Pro version)	<p>Only one type of Barcode can be recognized on the same page. A combination of the two types (bars and QR) may give a partial result.</p>
Watermark	<p>For optimal results of OCR, make sure you set the watermark outside the text (applicable to output formats PDF searchable, PDF Txt, Word, Text, Excel).</p>

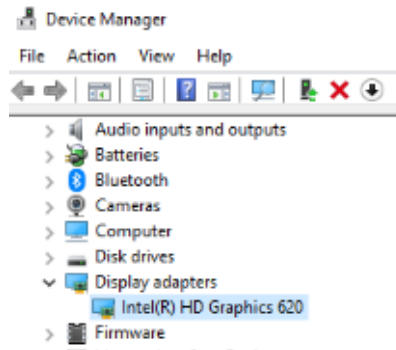
7.2 Undetected IRIScan™ Desk device

If the device keeps being undetected, follow these steps:

1. On your desktop, go to the task bar and select **Search Windows**.



2. Type in **Device Manager**, **Enter**.
3. Make sure no interrogation point appears besides one component, especially the **Graphics card** configuration.



Windows® device manager

4. If some interrogation point appears, it means you need to update your Windows® OS. To do so, see the Windows® instructions. Also see the [System requirements](#) for minimum recommended Windows® 10 version.
5. If your Windows® seems up-to-date, visit our [website](#) for further assistance.

7.3 Product Support

To get further product support, visit our website at www.irislink.com/support/.

8. Scanner Specifications

All specifications are subject to change without notice.

Scanning technology	8.0-Megapixel CMOS Sensor
Max resolution	3264 x 2448 pixels
Document size	A4 (297 x 210mm / Landscape)
Scanning speed	1,5 seconds per page in color mode 30PPM
Built-in LED Lights	4pcs
Output resolution	300 DPI
Output level	Color / Black & White / Grayscale
Interface/drivers	USB 2.0 Type B x 1 (For PC Connection) USB 2.0 Type-A x 1 (For USB Extension)
Power supply	5V by USB powered
Output formats	Document: JPG, PDF (Image), PDF (Searchable), PDF (Txt), Word, Txt, Excel, EPUB
Dimensions (H x L x D)	Folded size: 267 (H) x 85 (W) x 75 (D) mm/(10.5 x 3.34 x 2.95 in) Working size: 267 (H) x 85 (W) x 221 (D) mm/(10.5 x 3.34 x 8.71 in)
Weight	780 gr/1,71lbs
Recommended daily scanning volume	Up to 500 pages daily

9. Legal Notices

IRIScan™ Desk User's Guide

The information contained in this document is the property of I.R.I.S. The software described in this document is furnished under a license agreement which states the terms of use of this product. The software may be used or copied only in accordance with the terms of that agreement. No part of this publication may be reproduced, transmitted, stored in a retrieval system, or translated into another language without the prior written consent of I.R.I.S.

Functionalities available in the PRO version only are labeled with the mention **(Pro version)**.

Copyright

© 2019 I.R.I.S. S.A — All Rights Reserved.

I.R.I.S. owns the copyrights to the IRIScan™ Desk software and to this publication.

Documentation version 0.8

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. You may refer to the software itself for more accurate details. Any misprints, translation error, or inconsistent with existing software, will be updated timely.

This documentation uses fictitious names as examples; references to actual persons, companies or organizations are strictly coincidental.

Trademarks

The IRIScan™ Desk is a trademark of Image Recognition Integrated Systems S.A.

OCR and barcode technology by I.R.I.S.

AutoFormat and Linguistic technology by I.R.I.S.

BCR and field analysis technology by I.R.I.S.

iHQC compression technology by I.R.I.S.

Microsoft® is a U.S. registered trademark of Microsoft Corporation.

Windows® and Windows® 10 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

All other products mentioned in this documentation are trademarks or registered trademarks of their respective owners.

Warranty

I.R.I.S. makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of fitness for a particular purpose.

I.R.I.S. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Safety Instructions

Follow these safety instructions when setting up and using the scanner:

- Read all these instructions, and follow all warnings and instructions given in this document.
- Place the scanner close enough to the computer for the interface cable to reach it easily.
- Never handle the scanner with damp or wet hands, in nomadic mode, or when used as a fixed unit.
- When connecting this product to a computer or other device with a cable, ensure the correct orientation of the connectors. Each connector has only one correct orientation. Inserting a connector in the wrong orientation may damage both devices connected by the cable.
- Do not insert objects into any opening as they may touch dangerous voltage points or short out parts and lead to a risk of electrocution.
- Place the product and scanpad on a flat, stable surface large enough to safely hold the product and the document to be scanned.
- Never disassemble the scanner.

- If the product overheats or produces smoke or an unusual odour, discolours or becomes deformed in an abnormal way, immediately turn off the scanner, remove the batteries where applicable, and disconnect the cables. Stop using the scanner and contact your dealer or IRIS customer support to receive instructions on the procedure to follow.
- Take care not to drop the scanner or expose it to physical impacts.
- Do not place or store the scanner outdoors, in a car, near heat sources, in locations that are dusty, damp or exposed to impact, vibration, condensation, high temperatures, sunlight, strong light, or rapid changes in temperature or humidity.
- Never attempt to disassemble, modify, or repair the scanner or any of its components yourself.

FCC Regulations

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual that may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes and modifications to this equipment not specifically approved by IRIS may void the user's authority to operate this equipment. Shielded cables must be used with this equipment to maintain compliance with FCC regulations.



European Union Regulatory Notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC
- Restriction of the use of certain hazardous substances (RoHS) Directive 2011/65/EU
- RED (Radio Equipment Directive) (2014/53/EC)

CE compliance of this product is valid if powered with the correct CE-marked AC adapter provided by I.R.I.S. s.a.

This product satisfies the Class B limits of EN55022, EN55024, safety requirements of EN 60950 and ROHS requirements of EN50581.

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

This symbol on the product or on its packaging indicates that the product cannot be disposed of with your other household waste. Instead it should be sent to appropriate facilities for recovery and recycling in an effort to protect human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

