

ViiScan User's Manual

For Windows®

Version 1.3

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

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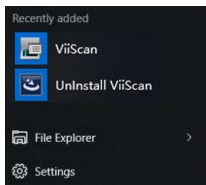
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About the ViiScan

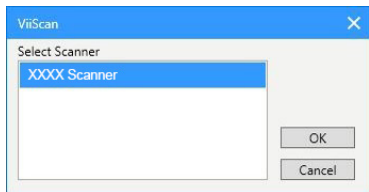
ViiScan is a driver for controlling your scanner, enabling a variety of scan settings. It allows you to start either as a standalone application or acquire it by using 3rd-party TWAIN-compliant application like Adobe Photoshop.

Launching ViiScan

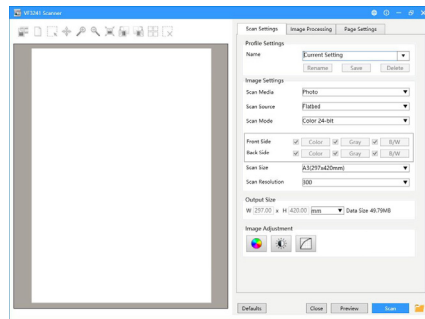
1. To start ViiScan application, click Windows  start menu then [All apps] to select  ViiScan.



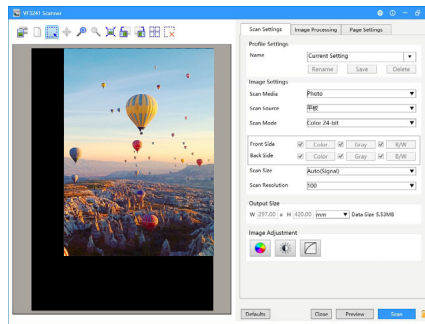
2. Select your scanner from the select source list and click [OK] then the ViiScan interface will be opened immediately.



3. The ViiScan includes a preview window allowing you to preview the image before scanning the final image, you can make changes in the settings as necessary and then click [Preview] button to prescan and preview your original.



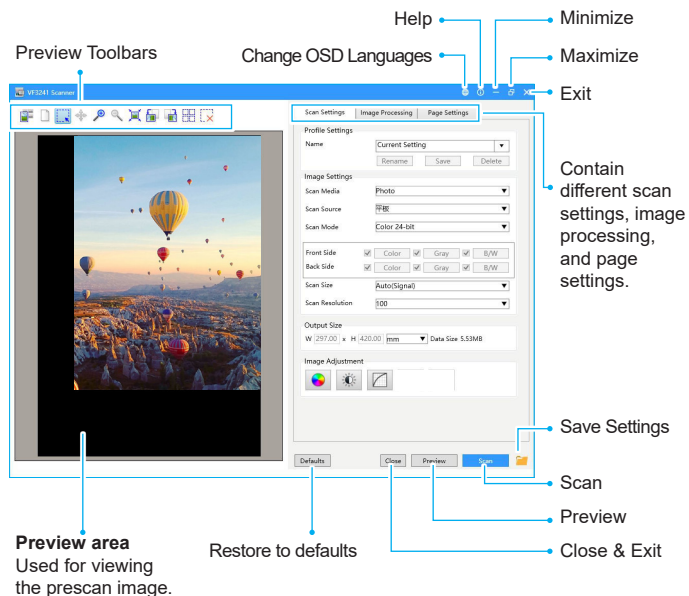
4. When the pre-scanned image appears, you can resize the scan area by dragging the marquee handles around the image to frame the desired area of the image. The area outside of the frame will be cropped after clicking the [Scan] button.



Adjusting the Scan Settings

About the ViiScan Interface

The TWAIN interface is divided into two sections: the right section where most of the control settings are located, and the left section, which is the Preview Area.

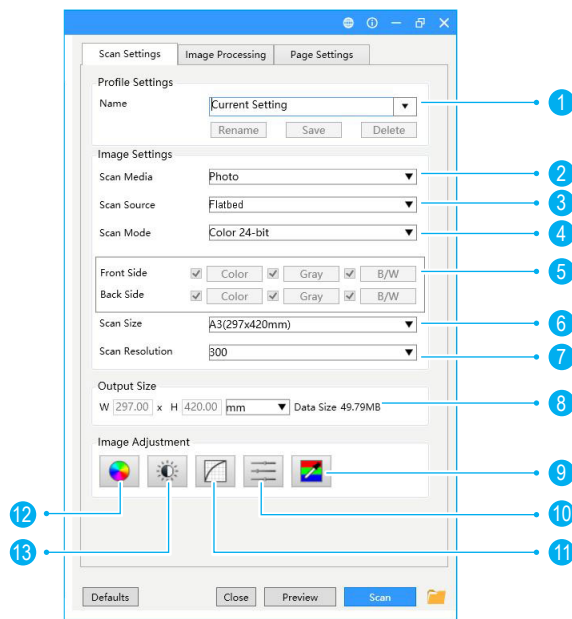


Adjusting the Setting Tabs of ViiScan

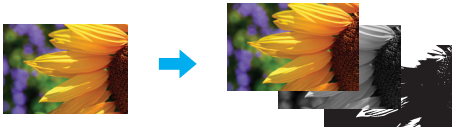
There are three setting tabs in the ViiScan panel includes Scan Settings, Image Processing, and Page Settings. The following are the function descriptions and examples of the available settings.


Scan Settings

Click the Scan Settings tab to bring up the setting page. You can make change as following:



Adjusting the Scan Settings (Continued)

| | | |
|---|--------------------|---|
| 1 | Favorite Settings | Create new scan profiles with your favorite settings and save them for future use. |
| 2 | Original Type | Specify an original type including "Photograph", "Text Document & Lineart", "Magazine". |
| 3 | Scan Source | The Scan Source setting is fixed as Flatbed. You cannot change this setting. NOTE: The Scan Source may vary depending on your scanner type. |
| 4 | Scan Mode | Specify a mode to scan your originals including "Color", "Gray", "B/W", "Multi-Color Output". |
| 5 | Multi-Color Output | <p>Tick the checkbox to select the modes including: "Color", "Gray", "B/W". You can make a single scan to be saved up to 3 separate images simultaneously.</p>  <p>You can press the "Color", "Gray", or "B/W" button to set different settings for each mode.</p> <p><input checked="" type="checkbox"/> Color <input checked="" type="checkbox"/> Gray <input checked="" type="checkbox"/> B/W</p> |
| 6 | Scan Size | <p>Specify a paper size including:</p> <ul style="list-style-type: none"> Flexible A3 (297 x 420mm) A4 (210 x 297mm) B5 (148 x 210mm) A6 (105 x 148mm) B6 (128 x 182mm) Letter (216 x 297mm) Legal (216 x 356mm) |

| | | |
|---|-----------------|---|
| 7 | Scan Resolution | <p>Select the resolution of the image to be scanned with following choices: "100dpi", "200dpi", "300dpi", "600dpi", "1200dpi", "2400dpi".</p> <p>NOTE: The change of Scan Resolution will apply to the selected cropping frame only.</p> |
| 8 | Output Size | Display the width and height of the cropping frame. You can adjust the output size by dragging the edges or corners of the cropping frame in the Preview Window. |
| 9 | Color Dropout | <p>This setting removes a single color (Red, Green or Blue) such as marks, stamps and retains the black text. If "None" is selected, No color is dropped out. Example of removing the red stamp:</p>  <p>You can adjust the Filter Threshold slider when the color selected cannot drop out. Drag the slider toward "Maximum" to remove more selected color, and toward "Minimum" to keep more selected color in.</p> <p>NOTE: Color Dropout can only be specified in "Gray" and "B/W" mode.</p> |

Adjusting the Scan Settings (Continued)

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B/W Threshold Settings

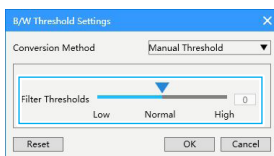


! NOTE: This function is only available when scanning in B/W, or Multi-color Output (B/W) mode. You can convert the scanned image in black and white using following method:

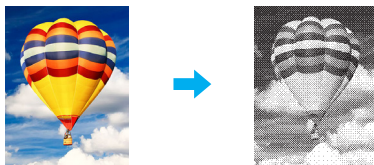
Auto Threshold: It finds an adequate threshold value automatically to obtain a clear image and remove dark backgrounds from the image.



Manual Threshold: You may manually adjust the Filter Threshold value (-100 ~ 100) until you are satisfied with the result.



Halftone Pattern: This provide 3 halftone patterns, each creates a halftone effect using a pattern of black and white dots that can represent darker or lighter color values. you can slider the Filter Threshold value (-100~100) if you want to increase or decrease the edge weight of patterns.

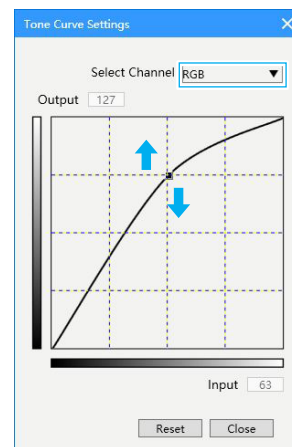


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Tone Curve Settings



In this settings you can adjust the color tone of an image by selecting the channel of color. You can Adjust the R.G.B channels as combined or adjust specified channel.



Channel Options:

RGB: Adjust the Red, Green, and Blue combined.

Red: Adjust the Red channel.

Green: Adjust the Green channel.


Blue: Adjust the Blue channel.

! NOTE:

- Only Gray will be displayed in Channel when Color Mode is selected Gray.
- This function is disabled in B/W mode.




Adjusting the Scan Settings (Continued)

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**Brightness/
Contrast/
Shadows/
Highlight
Settings**



Brightness:
Move the slider to increase or decrease the value (-100 ~ 100) to adjust the image brighter or darker.

| | | |
|---|---|---|
|  |  |  |
| Darkened | Original | Brightened |



Contrast:
Move the slider to increase or decrease the value (-100 ~ 100) to adjust the contrast higher or lower.

| | | |
|---|---|---|
|  |  |  |
| Decreased contrast | Original | Increased contrast |

Shadows:
Move the slider to adjust the value (0~100%) to bring out the detail in harsh shadow areas.


| | |
|---|---|
|  |  |
| Original | Brightened Shadow |

Highlights:
Move the slider to adjust the value (0~100%) to bring out the midtones.

| | |
|---|---|
|  |  |
| Original | Highlighted middle tone |

NOTE: This function is disabled in B/W mode.

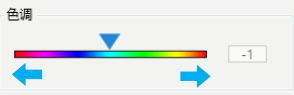
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**Color
Adjustment**

Hue :
Move the slider to increase or decrease the value (-100 ~ 100) to adjust the Hue.

色调




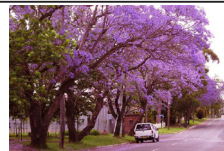
Saturation :
Move the slider to increase or decrease the value (-100 ~ 100) to adjust the saturation.

| | | |
|---|---|---|
|  |  |  |
| Saturation decreased | Original | Saturation increased |

Color Balance:
You can adjust the tint when photos are tinted with red and green due to the weather or the lighting where the photo was shot.

- Cyan & Red
- Magenta & Green
- Yellow & Blue

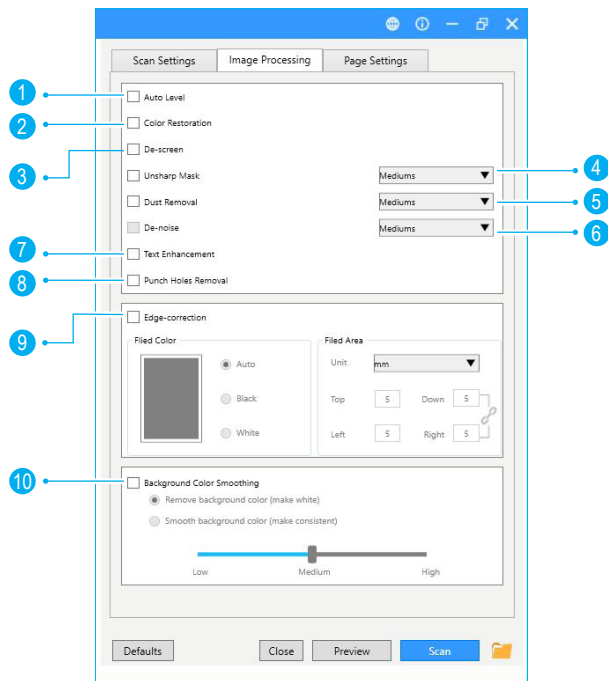
Below is an example of an image in which the "Cyan & Red" pair has been adjusted.

| | |
|---|---|
|  |  |
| Cyan is increased | Red is increased |

NOTE: This function is enabled in Color mode only.

Image Processing Settings

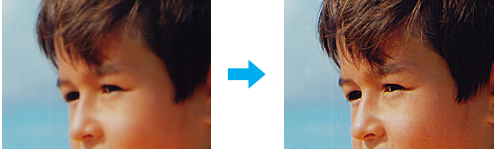
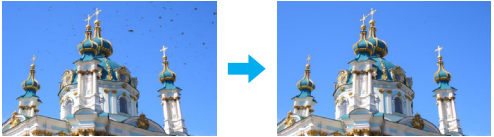
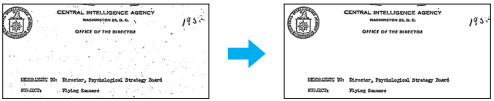

You can use the features on the Image Processing tab to scan your originals in ViiScan. The following table gives examples and descriptions of the Image Processing settings.



NOTE: Some items may not be available depending on scan settings you made.

| | | |
|---|-------------------|---|
| 1 | Auto Level | <p>Auto Level helps automatically adjust both the color and contrast of scanned image, based on the shadows, midtones, and highlights that it finds.</p> <div> <div>Original</div> <div>Auto Level Applied</div> </div> |
| 2 | Color Restoration | <p>Color Restoration helps to restore the lost color in old pictures and makes them to their original colors.</p> <div> <div>Original</div> <div>Color Restoration Applied</div> </div> |
| 3 | Descreening | <p>Descreening helps to reduce moire patterns in magazines or other printed materials. After descreening, the image may appear blurry.</p> <div> <div>Original</div> <div>Descreening Applied</div> </div> |

Image Processing Settings (Continued)

| | | |
|---|------------------|--|
| 5 | Unsharp Mask | <p>This function helps to emphasize edges in the image more clearly for an overall sharper image.</p>  |
| 6 | Dust Removal | <p>The dust removal function can remove dusts or scratch marks without affecting the image composition.</p>  |
| 7 | De-noise | <p>De-noise helps to remove small dots or specks appear in the background of scanned document.</p> <p>NOTE: De-noise is enabled in "B/W" mode only.</p>  |
| 8 | Text Enhancement | <p>This function enhances the contrast between the texts and the background for readability.</p>  |


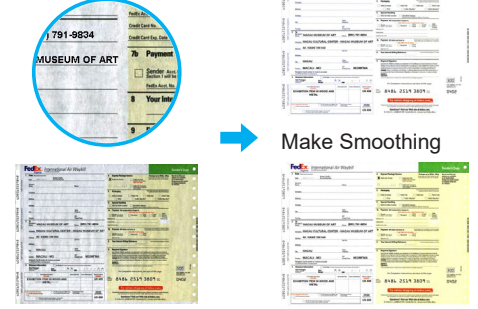
| | | |
|----|----------------------------|---|
| 9 | Punch Holes Removal | <p>This function can remove the round-shaped punch holes around the edges of the documents. The punch holes around the edges are replaced with the color closest to the document.</p> <p>Original Punch Holes Removal Applied</p>  <p>NOTE:</p> <ul style="list-style-type: none"> Punch holes will not be removed if the documents are placed skewed and without cropping. The shape of punch holes that is not round can not be removed. Punch holes may not be removed if the holes overlap the text, lines or graphics. |
| 10 | Background Color Smoothing | <p>The Background Color Smoothing function allows to smooth background color or remove it and make white.</p> <p>Original Make White</p>  <p>Make Smoothing</p> |

Image Processing Settings (Continued)

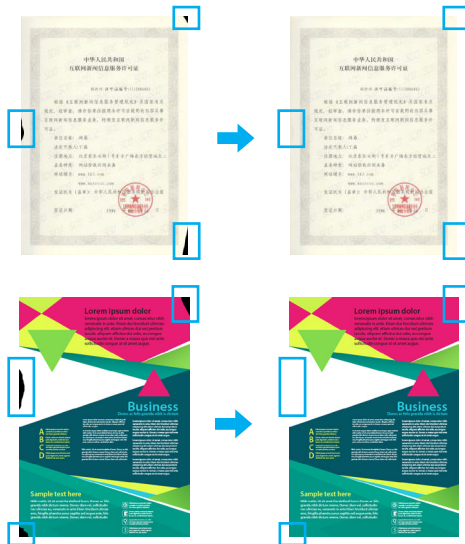
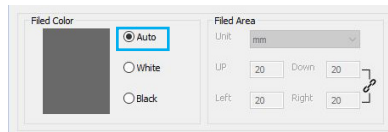
Edge-correction Settings

(Example 1)

This function fills the missing edges with a color which matches to the image. It also adds white or black edges onto the borders of the scanned documents.

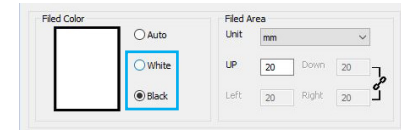
Example 1:

Automatically to fill the color of missing edges.



Example 2:

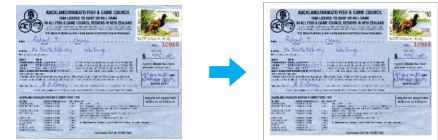
Add white or black edge on the border of scanned document. You can also enter a value (1~20mm).



Edge-correction Settings

(Example 2)

Add white border

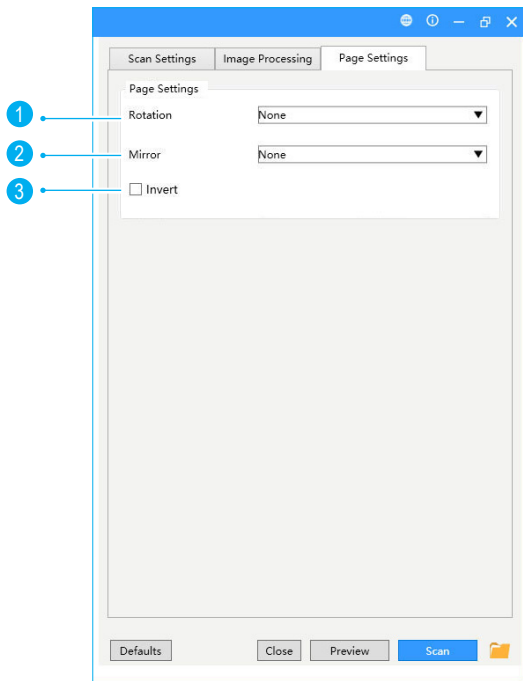


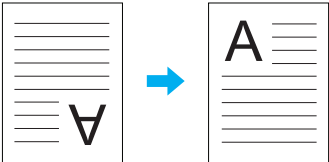

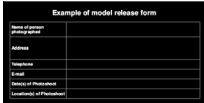
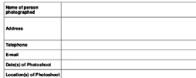

Add black border



Page Settings

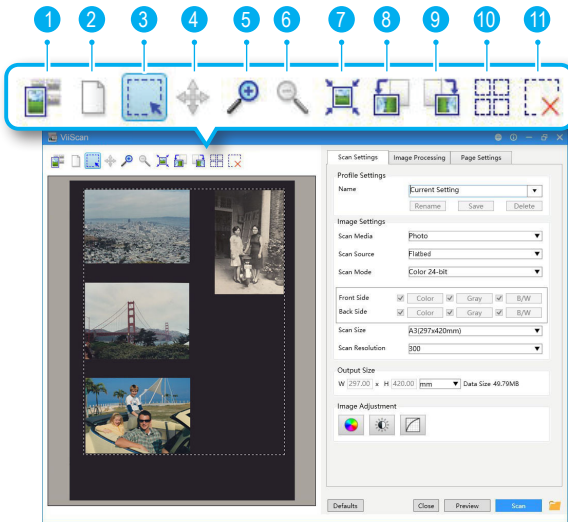
The "Page Settings" includes Rotation, Mirror, and Invert settings. You can make changes as following examples:



| | | |
|---|----------|--|
| 1 | Rotation | <p>Select a rotation angle to rotate the image. Choices: "None", "90° CW", "90° CCW", "180°".</p>  |
| 2 | Mirror | <p>Select a mirror type for your document. Choices: "None", "Level", "Vertical"</p>  |
| 3 | Invert | <p>This function reverses the colors of the scanned image to the opposite colors.</p> <div></div>  |

Preview Window Controls

There are several useful tools in the Preview toolbar to assist you to check the details of the preview image.

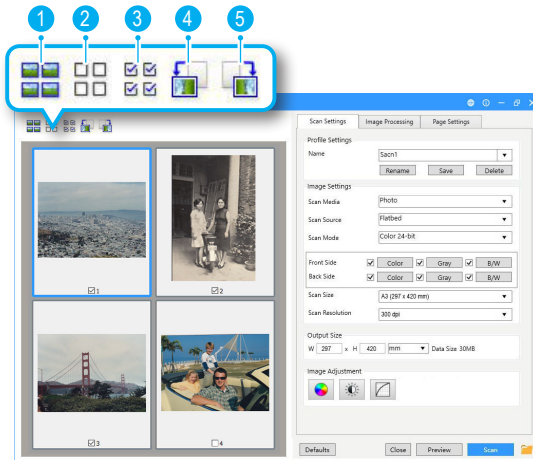


| | | |
|---|--|---|
| 1 | | Switch on/off thumbnail view *. See page for more details. |
| 2 | | Clears preview area |

| | | |
|----|--|---|
| 3 | | Select scanning area Your can move the cursor to a corner or an edge of the crop frame (the cursor will change to). Click and drag the cursor to enlarge or shrink the cropping frame to the desired size. <div><div>nuts, seeds, and beans: low in saturated fat and high in protein and fiber Low-sodium canned beans (black, kidney, pinto, chick peas, cannellini) Dried lentils Unsalted nuts (almonds, pine nuts, walnuts)</div><div>frozen vegetables and legumes: add convenience Corn Edamame Vegetable stir-fry mix (no sauce added)</div><div>whole grains: add fiber and other nutrients to side dishes and main-dish meals Brown rice Whole-wheat couscous Quinoa</div></div> Enlarge/shrink cursor |
| 4 | | Move frame |
| 5 | | Zoom in (Max. 6x) |
| 6 | | Zoom out |
| 7 | | Fit in window |
| 8 | | Rotate the image 90° counterclockwise |
| 9 | | Rotate the image 90° clockwise. |
| 10 | | Select all cropping frames |
| 11 | | Delete selected cropping frame |

Thumbnail Window Controls

There are several useful tools in the thumbnail toolbar to assist you to check or uncheck the thumbnail.

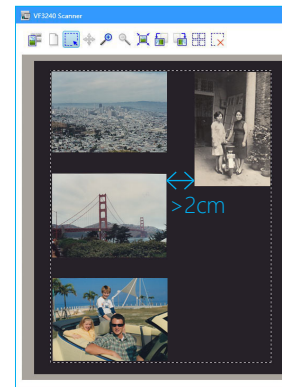


| | | |
|---|--|---------------------------------------|
| 1 | | Switch on/off thumbnail view |
| 2 | | Uncheck all of the frames |
| 3 | | Check all of the frames |
| 4 | | Rotate the image 90° counterclockwise |
| 5 | | Rotate the image 90° clockwise. |

Using Thumbnail View

- Cropping frames are specified according to the originals size, and thumbnails of scanned images are displayed.
- Make sure there is a gap of at least 20 mm (0.8 inch) between the originals, when placing multiple originals on the scanner glass. Otherwise they may can not preview in thumbnail correctly.

Normal View



Thumbnail View



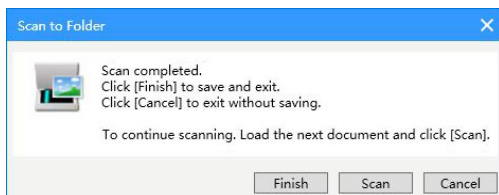
! NOTE:

- When multiple images are previewed, different outlines indicate different selection status.
- Selected "Blue outline": The displayed settings will be applied.
- Unselected "Gray outline": The settings will not be applied.
- Only the images with the checkbox selected will be scanned.

Scanning Operations

Continuous Scanning

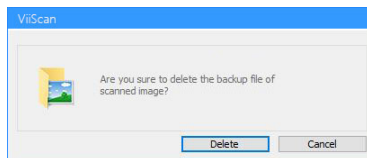
When “Continuous Scanning” is checked in the Setting, a dialog box appears after the previous scan finishes, asking if you want to scan the next document.



- To finish the scan. Click [Finish] to save and exit.
- To cancel the scan. Click [Cancel] to exit and without saving.
- To continuous scanning. Load the next document and click [Scan].

Delete the Backup Files

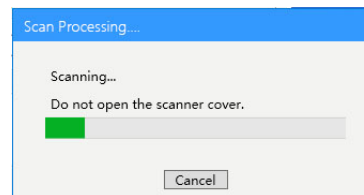
When “Delete Backup File of Scanned Image” is checked in the Settings, a dialog box appears after the scanning to Email application or printer, asking if you want to delete the scanned image.



- To confirm the deletion, click [Delete].
- To keep the scanned image without deletion, click [Cancel].

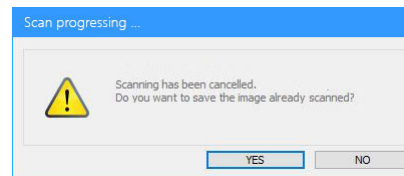
Cancel a Scan

To stop the scanning process, click [Cancel] during scanning.




If you cancel a scan during the continuous scanning process, the following cancel dialog box appears, asking if you want to save the image already scanned before cancelling the scan.


- Click [YES] to save the file
- Click [NO] to discard the file.

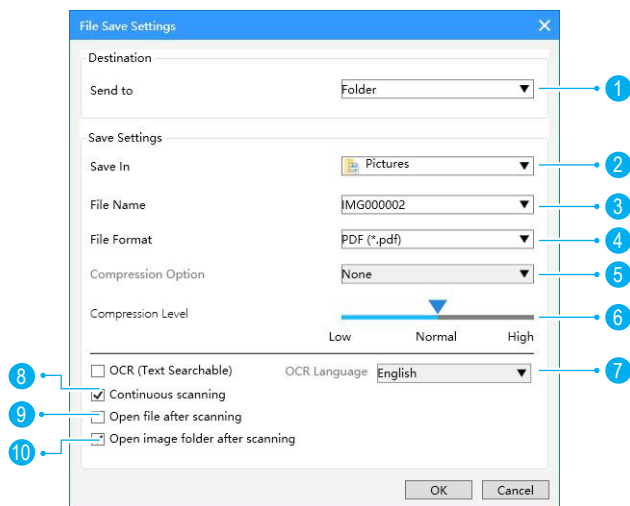


File Save Settings

Click below folder  icon on the right bottom corner of ViiScan control panel to bring up the File Save Settings windows. You can select the scan to destination, filen name, file format, and ohters file settings of your scan file on the File Save Settings window.



! NOTE: The File Save Settings window  icon may appear when the ViiScan is be stated through TWAIN-compliant application.



| | | |
|----|----------------------------------|---|
| 1 | Send to | Select a desination for your scan file. |
| 2 | Save In | Select and edit file save path for your scan file. |
| 3 | File Name | Create a file name format for your scan file. |
| 4 | File Fomat | Select a file format to save scanned image. Choices: JPEG(*.jpg), TIFF(*.tif), TIFF Multi-page(*.tif), BMP (*.bmp), PDF(*.pdf), PDF Multi-page (*.pdf). |
| 5 | Compression Option | When TIFF file is selected in the File Format, the Compression Option is enabled with choices: "None", "LZW", "JPEG" |
| 6 | Compression Level | Use the slider to compress a file to reduce the total size in High, Medium, or Low. The higher the compression level, the lower the file size, and vice versa. |
| 7 | OCR (Text Searchable) | This setting is available with the Send To PDF and OCR options. Ensure to select the correct language of the original text from the drop-down menu to perform text recognition. |
| 8 | Continuous Scanning | Check this option to trigger the continuous scanning dialog box after the current page is scanned, allowing you to continue scanning for more pages. See page 1 |
| 9 | Open file after scanning | Check this function to open the scanned file automatically after scanning and saving completes. |
| 10 | Open image folder after scanning | Check this function to open the scanned image folder automatically after scanning and saving completes. |

System Requirements

Following minimum system requirements are recommended to achieve the best performance of ViiScan software.

- Intel Core i3 Processor or Higher
- DVD-ROM
- USB 2.0 Jack
- At least 4GB RMB (Recommended 8GB)
- 2GB Available HDD Space
- Microsoft® Windows® 11/10/8.1/7

NOTE: The scanning software performance will be determined by the specifications of your computer. The higher specification computer will bring better performance.

Troubleshooting

Problems starting scanning:

Cannot scan using ViiScan.

- Make sure the USB cable and power cable are securely connected to the scanner and the computer.
- Make sure the scanner is turned on.
- Make sure scanner driver is installed and it appears in "Device Manager" correctly.
- Make sure if you are using others scanning software, if yes please stop using it then start again ViiScan.

Cannot scan using TWAIN.

- If you are using TWAIN-compliant applications, make sure that the correct scanner is selected as the scanner.
- If you still can not scan with TWAIN-compliant applications, please reinstall again driver then try again.
- If you are using 32-bit Adobe Photoshop, make sure you have installed TWAIN Plug-in.
- TWAIN is not supported in Adobe Photoshop when it's run in 64-bit mode. If you need a scanning solution when you run Adobe Photoshop in 64-bit mode, use the WIA (Windows Image Acquisition) interface for your scanner.

Scanning problems:

Cannot preview thumbnail in ViiScan.

When placing multiple originals on the scanner glass, make sure there is a gap of at least 20 mm (0.8 inch) between the originals.

- Make sure the original is placed straight.

Cannot scan the correct area on the scanner glass.

- Make sure the original is placed correctly and align the position arrow mark.

Cannot save the file in the folder.

- Check if the folder specified in the Settings exists. If not, specify a different folder.
- Check if you have the available hard drive space in your computer to save the scanned files.

Cannot use the Scan to Email function.

- Make sure your email application has been installed and your email account is configured.
- If the file size of scanned file exceeds the attachment size limit set at your mail server, the files will be unable to send.

Cannot use the Scan to Print function.

- Make sure your printer driver is installed and the printer is connected to the computer.
- Make sure the printer is turned on.

Troubleshooting

Cannot use the Scan to Application function.

- Make sure the application used can support to open the file format you select in the Setting.

Scanning speed is very slow.

- Scanning takes longer than usual when you scan at high resolution and large size.
- Set a lower resolution in the Settings to prioritize the scanning speed.
- When applying "Descreening" may slow down the scanning process.

The file size is too big.

- Compress the file into a smaller size using the File Compression slider.
- Set a lower resolution in the Settings.

Scanned image problems:

Appear dirt and spots in scanned image.

- Clean the scanner glass.
- Do not press with too much force on the original or the document cover. If you press with too much force, blurring, smudges, and spots may occur.

Appear moiré patterns in scanned image.

- If the original is a printed document, moiré patterns may appear in the scanned image.
- Go to the Image Processing Settings tab in ViiScan to check "Descreening" then scan again.

Uninstalling and installing driver or applications:

Uninstalling your scanner driver and applications.

You may need to uninstall and then reinstall your scanner driver and applications to solve certain problems or if you upgrade your operating system.

1. Exit all running applications and disconnect the scanner from your computer.
2. Right click on start button and then select "Programs & Features". (e.g. Windows 10)
3. Select the application or driver that you want to uninstall.
4. Follow the instructions in the preceding procedure to uninstall an application or driver.

! NOTE: When reinstalling scanner driver, please replugin scanner USB cable again and wait until scanner device is be configured successfully.