



KYOCERA
SCAN
 EXTENSION KIT (A)



CONVERT SCANNED DOCUMENTS TO SEARCHABLE/EDITABLE FILES

SCAN EXTENSION KIT (A)

Scan Extension Kit is an optional function that uses OCR* processing and the scan function to convert scanned images of printed text into computer readable text with just a simple tap.

For instance, it allows you to convert printed documents into searchable text, and you can search keywords in the scanned documents..

Scan Extension Kit **recognizes 24 languages**, and thanks to the advanced OCR technology, it **retains original layout** from the scanned documents and converts them into searchable texts.

* Optical Character Recognition (OCR), is the software conversion of scanned printed text into the text searchable and editable.

OCR results may not be 100% accurate.

WHAT'S NEW ON SCAN EXTENSION KIT (A)

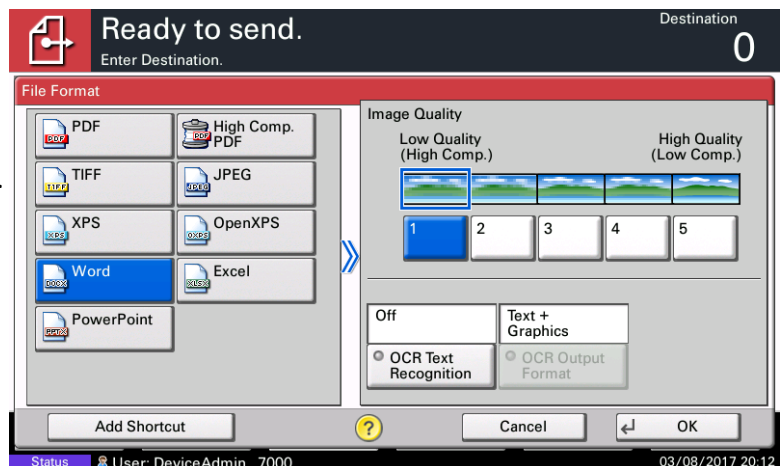
Microsoft Office Format Supported

You can now scan and convert your documents into searchable and editable Microsoft Word, Excel, and PowerPoint too.

To use this function:

1. Go to the "Send" screen.
2. Select "org./ Sending Data Format".
3. Select "File Format".
4. Turn OCR Text Recognition "On"*.
5. Select one OCR output mode option(see **OCR Export Formats in the specification table**).

* Even if you turn "OFF" OCR Text Recognition, you still can get Microsoft Word, Excel, and PowerPoint without the text data.



Specifications

Supported Languages	24 languages: English / French / Spanish / German / Dutch / Portuguese (EU, Brazilian) / Italy/ Danish / Norwegian / Swedish / Finnish / Russian / Polish / Turkey / Greek / Hungarian / Romanian / Czech / Catalan / Japanese / CH-S / CH-T / Korean
OCR Output Formats *1	Text + Graphics / Text + Graphics with Scan Image / Scanned Image with Searchable Txt
Supported Fonts	24 fonts, including Times New Roman / Arial/ Courier/ Century, etc.
Resolution	For Searchable PDF, supported resolution depends on device's specification. For Microsoft Office format, only 200 dpi and 300 dpi are supported.
Supported File Types	Searchable PDF and Microsoft Office 2007 or later: Word (*.docx), Excel (*.xlsx), PowerPoint (*.pptx)
Restrictions	The functions listed below cannot be used in combination with OCR processing: Scan a long (banner) original For Microsoft Office format, the following features are not supported: Monochromatize / Watermarks / Preview When using a firmware which does not support searchable/editable Microsoft Office formats, the following features are not supported: Store in Box / Sending from Box / Fax-Forwarding
Others	Auto Image Rotation*2 is supported.

*1 When you create searchable and editable Microsoft Office formats, three OCR output mode options will appear. Select one option.

A) Text + Graphics

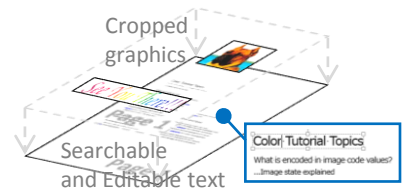
Scan and convert the text in the document to editable

What the user gets:

One scanned document including searchable and editable text, and graphics as scanned images

User benefit:

Users can edit texts plus change the layout of the document



B) Text + Graphics with Scan Image

Scan and convert the text in the document to editable (you cannot edit graphics in the document because they have been converted to scanned images)

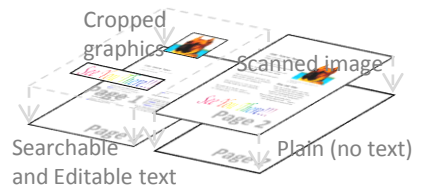
What the user gets:

One scanned document including searchable and editable texts, plus graphics as scanned images

One non-editable document (only a scanned image)

User benefit:

Users can edit texts comparing the scanned text (When converting an original document into Word, users get two pages — an editable page and a scanned image)



C) Scanned Image with Searchable Txt

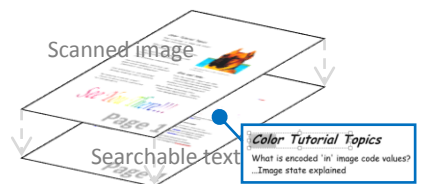
Keeps the original images when scanned, and converts text to searchable text

What the user gets:

One non-editable document (searchable texts plus scanned images)

User benefit:


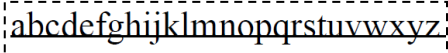
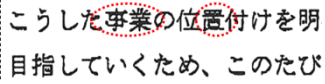

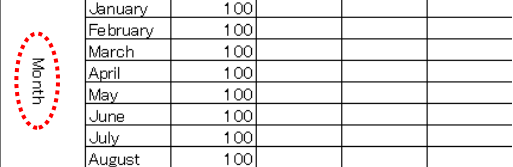

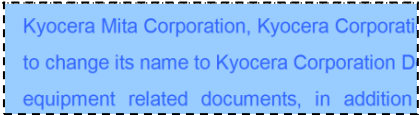

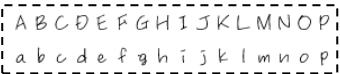
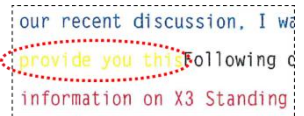
The layout is retained, and users can search texts



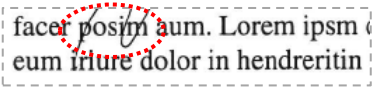

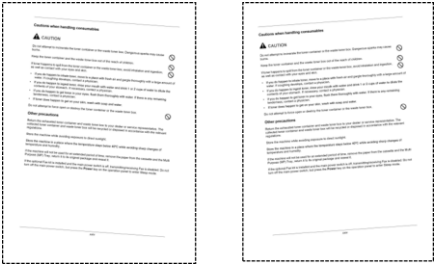
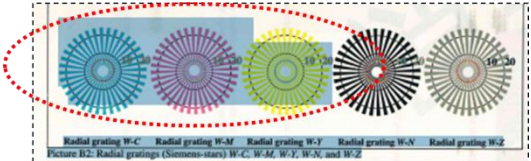

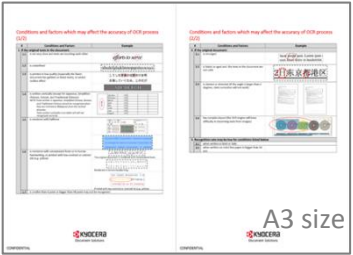
*2 By using this function, user can send/store scanned data with correct orientation.



Conditions and factors which may affect the accuracy of OCR process (1/2)

#	Conditions and Factors	Example
1. If the original text in the document:		
1.1	Is set very close and characters are touching each other	
1.2	Is underlined	
1.3	Is printed in low quality (especially if a faxed document has garbled or faded characters), or added outline effect	
		
1.4	Is written vertically (except for Japanese, Simplified-Chinese, Korean, and Traditional-Chinese) <i>NOTE: Text written in Japanese, Simplified-Chinese, Korean, and Traditional-Chinese cannot be recognized when they are inclined at 90 degrees from vertical. Vertical text in a table cell will not be correctly recognized.</i>	
1.5	Is rendered with halftone	
		
1.6	Is rendered with nonstandard fonts or in human handwriting, or printed with low-contrast or colored ink (e.g., yellow)	 Rendered with nonstandard fonts
		 Rendered in human handwriting
		 Printed with low-contrast or colored ink (e.g. yellow)
1.7	Is smaller than 6 points or bigger than 48 points	

Conditions and factors which may affect the accuracy of OCR process (2/2)

#	Conditions and Factors	Example
2. If the original document:		
2.1	Is smudged	
2.2	Is faded or aged and the text in the document are not solid	
2.3	Is slanted or distorted (if the angle is greater than 4 degrees, slant correction will not work)	
2.4	Has complex layout (the OCR engine will have difficulty in discerning texts from images)	
3. Recognition rate may be low for conditions listed below:		
3.1	When written in Bold or Italic	
3.2	When written on ruled line paper in bigger than A4 size	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>OK</p> </div> <div style="text-align: center;">  <p>NG</p> </div> </div>

Current Supported devices as of Apr. 2017

Model Name	Support Type	Searchable PDF	Microsoft Office Formats (Searchable/Editable)
CS/TASKalfa 3552ci CS/TASKalfa 4052ci CS/TASKalfa 5052ci CS/TASKalfa 6052ci	Option	Supported	Supported ^{NEW} This is available as of following versions: MAIN: 2ND_2000.002.3xx MMI: 2ND_7000.002.3xx OCR DATA: 2R6_L000.002.0xx
CS/TASKalfa 2552ci CS/TASKalfa 3252ci	Option	Supported	Supported ^{NEW} This is available as of following versions: MAIN: 2RL_2000.002.3xx MMI: 2ND_7000.002.3xx OCR DATA: 2R6_L000.002.0xx
CS/TASKalfa 4002i CS/TASKalfa 5002i CS/TASKalfa 6002i	Option	Supported	Supported ^{NEW} This is available as of following versions: MAIN: 2NK_2000.002.3xx MMI: 2ND_7000.002.3xx OCR DATA: 2R6_L000.002.0xx
CS/TASKalfa 3011i CS/TASKalfa 3511i	Option	Supported	Supported ^{NEW} This is available as of following versions: MAIN: 2RH_2000.002.1xx MMI: 2ND_7000.002.3xx OCR DATA: 2R6_L000.002.0xx
CS/TASKalfa 7052ci CS/TASKalfa 8052ci	Standard	Supported	Supported ^{NEW} This is available as of following versions: MAIN: 2NH_2000.001.6xx MMI: 2ND_7000.002.3xx OCR DATA: 2R6_L000.002.0xx
CS/TASKalfa 7002i CS/TASKalfa 8002i	Standard	Supported	Supported ^{NEW} This is available as of following versions: MAIN: 2NJ_2000.001.6xx MMI: 2ND_7000.002.3xx OCR DATA: 2R6_L000.002.0xx
CS/TASKalfa 3051ci CS/TASKalfa 3551ci CS/TASKalfa 4551ci CS/TASKalfa 5551ci	Option	Supported	Unsupported
CS/TASKalfa 6551ci CS/TASKalfa 7551ci	Standard	Supported	Unsupported
CS/TASKalfa 4501i CS/TASKalfa 3501i CS/TASKalfa 5501i	Option	Supported	Unsupported
CS/TASKalfa 6501i CS/TASKalfa 8001i	Standard	Supported	Unsupported
CS/TASKalfa 2551ci	Option	Supported	Unsupported
CS/TASKalfa 3010i CS/TASKalfa 3510i	Option	Supported	Unsupported
CS/TASKalfa 356ci CS/TASKalfa 406ci	Option	Supported	Unsupported