

# ABBYY FineReader Engine 12 WIN, Linux and OS X | Feature Overview

	WINDOWS	LINUX	MAC
<b>Recognition</b>			
BMP, DCX, GIF, JBIG2, JPEG, JPEG 2000, PCX, scanned PDF, digitally created PDF incl. password-protection, PDF/A, PNG, TIFF, (For Windows version only: WIC-compatible, WDP, DjVu)	+	+	+
OCR - Recognition of machine-printed text	208 languages	208 languages	208 languages
Arabic, Chinese, Japanese, Korean, Hebrew, Thai, Vietnamese, Gothic OCR	+	+	+
Burmese (technical preview) and Farsi OCR	New	New	New
Japanese OCR	Improved	Improved	Improved
Recognition of dates, times and addresses in Japanese and Arabic	Improved	Improved	Improved
Ready-to-use data extraction from specific document types	Business cards	Business cards	Business cards
ICR - Recognition of hand-printed text	126 languages	-	-
OMR - Checkmark recognition	+	-	-
OBR - Barcode recognition	+	+	+
<b>Image Pre-Processing Tools</b>			
Auto-cropping and auto-splitting of dual-pages	+	+	+
Filtering of color stamps and marks	+	+	+
Noise removal & local contrast improvement	+	+	+
Adaptive binarization	+	+	+
Camera OCR	+	+	+
<b>Layout Reconstruction</b>			
Document layout reconstruction, incl. internal structure and formatting	+	+	+
Detection and recreation of balanced columns of text	New	New	New
Detection of tables and layout reconstruction	Improved	Improved	Improved
<b>Easy Development</b>			
Scanning utility	Improved	-	-
Native 64-bit support	+	+	+
Code samples and predefined processing profiles	+	+	+
Built-in recognition on multi-core CPUs	+	+	-
Multithreading capability	+	+	-
Parallel processing of many single-page documents	+	+	-
Parallel processing of multi-page documents	+	+	+
Ready-to-use components for creating user interface	+	-	-

	WINDOWS	LINUX	MAC
<b>Export Settings</b>			
Broad range of export settings, such as RTF, DOCX, TXT, ODT, CSV, XLS(X), HTML, PDF, PDF/A, XML, PPTX, ALTO, EPUB, FB2, vCard, image formats	+	+	+
Export to HTML 5	New	New	New
Faster export to XML with non-deskewed coordinates	Improved	Improved	Improved
Direct export of list elements to XML	New	New	New
ALTO 3.1 export format	New	New	New
Direct export to memory	+	+	+
Export to XPS	+	-	-

<b>PDF Export</b>			
Export to PDF 2.0 and PDF/UA	New	New	New
Export to PDF/A-1a, PDF/A-1b	+	+	+
Export to PDF/A-2 (a,b,u), PDF/A-3 (a,b,u)	New: PDF/A-2b, PDF/A-3b	New: PDF/A-2b, PDF/A-3b	New: PDF/A-2b, PDF/A-3b
Ability to use Unicode characters during PDF encryption	New	New	New
Preservation of original annotations and bookmarks in PDF	+	+	-
Ability to detect text layer in PDFs and skip OCR	+	+	-
Fast export of PDFs with many pages	+	+	+

<b>Technology Improvements</b>			
Document Classification powered by ML and NLP	Enhanced	Enhanced	Enhanced
Access to information about individual recognition variants	New	New	New
Usage of Artificial Intelligence and Machine Learning for accuracy and layout reconstruction	New	New	New
Ability to open the PDF, DjVu, WIC and WDP files from memory	+	PDF only	-
Ability to specify resolution for rasterisation during PDF opening	+	+	-
Full support for ZUGFeRD-compliant PDF (import & export)	+	+	+

<b>Licensing</b>			
Support for Cloud (Amazon EC and MS Azure) and virtual environments	New	New	-
Network licensing	+	+	-
Backup Network License Manager for higher fault-tolerance	+	+	-

+ already available in the version 11

- feature currently not available/ planned

**Note:** The availability of the Windows, Linux and Mac versions might differ. Please contact ABBYY directly for details on availability.



To learn more about the software development kit ABBYY FineReader Engine please, visit [www.abbyy.com/ocr-sdk](http://www.abbyy.com/ocr-sdk).  
If you have additional questions, contact your local ABBYY representative listed under [www.abbyy.com/contacts](http://www.abbyy.com/contacts)  
or use the online contact form [www.abbyy.com/ocr-sdk/#request-demo](http://www.abbyy.com/ocr-sdk/#request-demo).

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