ABBYY®

ABBYY® FineReader® Engine 12
Windows®, Linux® and Mac®

Recognition

	WINDOWS	LINUX	MAC
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)	+	+	+
Text documents (doc, docx, rtf, htm / html, txt, odt); tables (xls, xlsx, csv, ods); presentations (ppt, pptx, odp)	New	New	–
OCR - Recognition of machine-printed text	210 languages	210 languages	208 languages
Arabic, Korean, Hebrew, Thai, Vietnamese	+	+	+
Gothic script OCR: Latvian, Slavonic languages, English, French, German, Italian, Spanish	+	+	+
Burmese (technical preview) and Farsi OCR	New	New	New
Georgian OCR	New	New	–
OCR for simple mathematical formulas	New	New	–
Japanese OCR	Enhanced with ML	Enhanced with ML	Enhanced
Chinese OCR	Enhanced with ML	Enhanced with ML	–
Recognition of dates, times and addresses in Japanese and Arabic	Enhanced	Enhanced	Enhanced
Data extraction from Machine Readable Zones in IDs (MRZ)	New	New	–
Data extraction from Business Cards	+	+	+
ICR - Recognition of hand-printed text	126 languages	New: 126 languages	–
OMR - Checkmark recognition	+	New	–
OBR - Barcode recognition	+	+	+

Image Pre-Processing Tools

	WINDOWS	LINUX	MAC
Auto-cropping and auto-splitting of dual-pages	+	+	+
Filtering of color stamps and marks, noise removal & local contrast improvement	+	+	+
Adaptive binarization	+	+	+
Camera OCR	+	+	+

Easy Development

	WINDOWS	LINUX	MAC
Scanning utility	Enhanced	–	–
Native 64-bit support	+	+	+
Code samples and predefined processing profiles	+	+	+
Bulit-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
Layout Reconstruction			
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	Enhanced	Enhanced	Enhanced
Export Settings			
Broad range of export settings, such as RTF, DOCX, TXT, ODT, CSV, XLS(X), HTML, PDF, PDF/A, XML, PPTX, ALTO, EPUB, FB2, image formats	+	+	+
Export to vCard (for Business Card Data)	+	+	+
Export to JSON (for MRZ Data)	New	New	–
Export to HTML5	New	New	New
Faster export to XML with non-deskewed coordinates	Enhanced	Enhanced	Enhanced
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	+	–	–
PDF Export			
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
Export to Tagged PDF	Enhanced	Enhanced	+
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	+	+	+
Technology Improvements			
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)	+	+	+
Licensing			
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

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

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