ABBYY

ABBYY® FineReader Engine 12
WIN, Linux, and OS X

Recognition

	Windows	Linux	Mac
BBMP, 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	Planned	–
OCR - Recognition of machine-printed text	210 languages	208 languages	208 languages
Arabic, Chinese, Japanese, Korean, Hebrew, Thai, Vietnamese, Gothic OCR	+	+	+
Burmese (technical preview) and Farsi OCR	New	New	New
Georgian OCR	New	Planned	–
OCR for simple mathematical formulas	New	Planned	–
Japanese OCR	Improved	Improved	Improved
Chinese & Japanese OCR	Improved with ML	–	–
Recognition of dates, times, and addresses in Japanese and Arabic	Improved	Improved	Improved
Recognition of Machine Readable Zones in IDs (MRZ)	New	Planned	–
Ready-to-use data extraction from specific document types	Business cards	Business cards	Business cards
ICR - Recognition of hand-printed text	126 languages	Planned	–
OMR - Checkmark recognition	+	Planned	–
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, and local contrast improvement	+	+	+
Adaptive binarization	+	+	+
Camera OCR	+	+	+

Easy Development

	Windows	Linux	Mac
Scanning utility	Improved	+	+
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	+	+	+

Layout Reconstruction

	Windows	Linux	Mac
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

Export Settings

	Windows	Linux	Mac
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 HTML5	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	+	–	–

PDF Export

	Windows	Linux	Mac
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	+	+
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

	Windows	Linux	Mac
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

	Windows	Linux	Mac
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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