

OCR Automatic Reader



Overview

Sakhr Automatic Reader is an award-winning OCR solution that addresses the complexities of Arabic language and fonts, including cursive writing, diacritics, position-dependent character shapes, overlapping, and non-standard fonts. Powered by Sakhr's Arabic Natural Language Processing (NLP) and pattern recognition technology, Automatic Reader achieves industry-leading accuracy and performance. The Automatic Reader product is available in Gold and Platinum editions.

Capabilities

Performance and Accuracy

- 2400 characters per second on 2.0 GHz PIV-based computers
- 4000 characters per second on Core2 2.13 GHz processor
- Up to 99% accuracy in recognizing Arabic books, newspapers, etc.

Platforms

Windows 2000, XP, Vista

Recognition

- Arabic, English, French and 16 other languages
- Other script languages: Farsi, Jawi, Dari, Pashto, Urdu (available optionally in extra language pack)
- Bi-lingual documents in Arabic/English, Farsi/English and Arabic/French
- Supports OMNI and Learning technologies for higher accuracy in different fonts

Formats Supported

- Input image formats include .bmp, .tiff, .pdf, .jpg, others

- Output text formats include .txt, .rtf, .html, .xml, searchable .pdf

Key Features

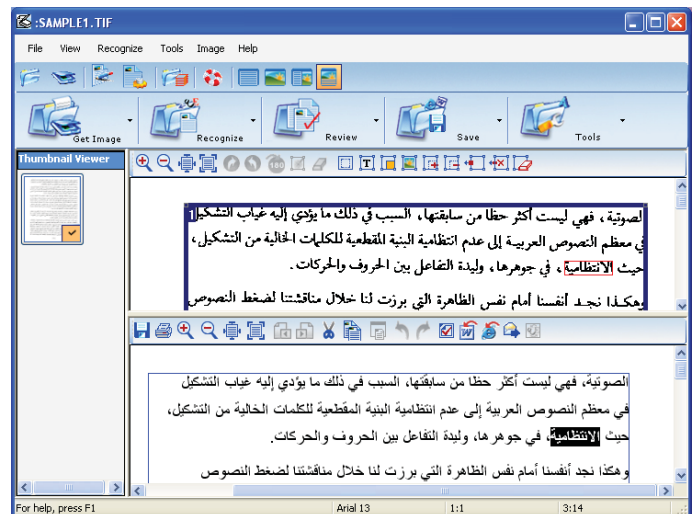
- Simple, intuitive interface
- Multi-threaded application
- Enhancements in image preprocessing
- Efficient font learning process

Other Features

- Bi-lingual interface
- Bi-lingual spellchecker
- Supports both automatic and manual framing modes
- Email delivery of OCR results
- Automatic and manual image rotation and fixing

Software Development Kit (SDK)

Using the SDK, Automatic Reader can be easily integrated within third party applications. The SDK includes COM and DLL standard APIs. (Available in Platinum edition.)



About Sakhr Software

As the global leader in Arabic language technology for 20 years, Sakhr has pioneered solutions for Arabic OCR, machine translation, search, text mining, speech recognition, text to speech, document management, e-education, and e-governance. Sakhr Software has a distinguished client base across the Middle East, North America, and Europe, including UAE Ministry of Higher Education, UAE Dubai Police, Oman Ministry of Education, Oman Ministry of Defense, KSA Ministry of Foreign Affairs, Qatar Ministry of Labor, Sony Gulf, Etisalat, World Bank, and Intel. Sakhr has offices in the Middle East and USA.

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