

OmniPage Capture SDK for Windows

The most complete OCR and imaging SDK

Established as the core technology behind all Nuance imaging products, the OmniPage Capture SDK is widely recognized as the #1 imaging and OCR toolkit on the market today.

The OmniPage Capture SDK 20 provides everything you need to add robust imaging, OCR recognition and PDF capabilities to your most critical applications. In addition to outstanding speed and accuracy with numerous product performance options and best-in-class PDF management, OmniPage Capture SDK delivers powerful forms-recognition and document classification technologies and unique tools to create reliable OCR and document processing applications with minimal programming requirement.

Used by commercial vendors who are serious about high OCR accuracy and quality document imaging in their applications, the OmniPage Capture SDK provides scalable recognition, extraordinary PDF support and a simple API that lets you create high-value, competitive products.

The most accurate and robust OCR available

The OmniPage SDK provides a scalable voting interface and significant throughput management capabilities. Combined with highly accurate machine-print OCR (OCR, OCR-A, OCR-B and MICR), handprint (ICR), checkmark (OMR) and barcode (1D and 2D) recognition

engines, it delivers unmatched flexibility and accuracy.

Simple to use APIs

The OmniPage SDK offers easy-to-use, yet versatile APIs that enable you to productively build your application and control the characteristics of the recognition and conversion processes. It supports programming in C/C++, .NET, C# and VB.NET and is available in 32-bit and 64-bit versions.

New Document Classifier

Documents exist in many different types and layouts and it is a common task to identify and categorize them based on their diverse contents. The new Document Classifier module enables users to separate different documents and sort them based on layout and/or textual similarities. This intelligent and trainable tool can be used in a wide range of business processes, such as email forwarding, mail-room automation, spam filtering, form processing and data extraction.

Powerful form processing capabilities

The OmniPage Capture SDK offers various tools and capabilities required to create complete form processing applications. It enables users to easily define form templates for all the document types they wish to process and contains a convenient API to execute form matching and data extraction.

Key benefits

- The world's most accurate OCR solution increases productivity, lowers costs and maximizes ROI
 - Delivers everything you need for scanning, OCR, ICR, OMR, barcode, PDF and document conversion
 - Enables developers to provide higher value to customers with new and enhanced functionality
 - Provides an easy-to-use API to shorten development cycles and accelerates time to market
 - Helps your organization differentiate itself from the competition with the most advanced scanning, OCR and PDF technologies
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Reliable, highly available applications

The OmniPage SDK includes new, innovative capabilities that enable developers to create reliable, long running document processing applications that can automatically scale up and take advantage of all or the designated CPU power of a multicore machine. All these can be achieved with low programming effort.

Broad range of output formats

The OmniPage Capture SDK supports a wide range of image and application formats for outputting the conversion results, including BMP, GIF, TIF, PDF, HTML, Microsoft Office formats (.DOCX, .XLSX, .PPTX), TXT, XML, ePub and more.

Integrated PDF toolkit

Extensive PDF capabilities—including unique PDF overlay matching that achieves up to 100% accuracy in PDF conversion—allow you to significantly reduce development costs and time-to-market. The OmniPage Capture SDK supports output to all PDF/A-1, -2, -3 levels, which is ideal for long term document archival and can generate PDF-MRC (mixed raster content) files optimized for file size and quality.

Pre-made user interfaces

The OmniPage Capture SDK's Professional Visual Toolbox gives you pre-made interfaces for creating and executing workflows, controlling scanning devices and document processing. It includes visual controls for advanced OCR and image enhancement tools.

Easy and flexible licensing

OmniPage SDK's licensing options were created with the users' needs in mind. It does not require the use of dongles. Different types of licenses are available:

- Developer licenses to install OmniPage Capture SDK and use it to develop custom solutions. It also includes a number of test runtime licenses to try out the built application in the target environment
- Runtime licenses to distribute and install the developed applications together with the required OmniPage SDK components. Runtime license options are available on the page count bases or for permanent use
- Licenses for add-ons of advanced document imaging technologies are available both as developer's and runtime licenses to expand the capabilities of the application as the business requires.

Product configurations

The OmniPage Capture SDK is available in one base kit with optional add-ons:

The Base Western OCR Kit

- C/C++ Libraries for Western OCR engines
- Access to individual OCR engines for application optimization
- OCR-A, OCR-B, E-13B (MICR)
- PDF Technology—Support for PDF 1.7, PDF/A, export to PDF normal, PDF image-only, PDF image on text formats and high-compression rate PDF-MRC

- Professional Visual Toolbox - Provides a collection of visual controls to create and customize UI elements for Windows-based applications, including image display, manual zoning and OCR proofreading tools

Add-on options

- **Asian Plus Add-on** - OCR engines for Chinese (Simplified and Traditional), Japanese, Korean, Arabic and Thai.
- **Recognition Add-on** - Barcode, ICR, OMR, Form Template Editor, Document Classifier Assistant

System requirements

Development environment

- Windows 7, 8, 8.1, 10 x86-x64
- Windows Server 2008 R2, 2012 R2, 2016
- Intel Pentium 4 1.6 GHz or higher processor (Intel Core or higher CPU is recommended)
- 4 GB RAM (6 GB recommended)
- 4 GB free disk space
- Microsoft Visual Studio 2010 SP1, 2012, 2013.4, 2015.2

Runtime environment

- Windows 7, 8, 8.1, 10 x86-x64
- Windows Server 2008 R2, 2012 R2, 2016
- Intel Pentium 4 1.6 GHz or higher processor (Intel Core or higher CPU is recommended)
- 2 GB RAM (4 GB recommended)
- 300 MB free disk space (less if not all recognition modules are distributed)

To learn more about Nuance document imaging solutions please call 1-800-327-0183 or visit nuance.com

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Nuance Communications, Inc. is a leading provider of voice and language solutions for businesses and consumers around the world. Its technologies, applications and services make the user experience more compelling by transforming the way people interact with devices and systems. Every day, millions of users and thousands of businesses experience Nuance's proven applications. For more information, please visit: www.nuance.com.