

ABBYY® FlexiCapture 9.0 Distributed



What is ABBYY FlexiCapture 9.0 Distributed?

ABBYY FlexiCapture Distributed is a scalable data capture solution for medium-sized organisations. Based on a client-server architecture, data capture systems in a network scenario can be implemented. FlexiCapture Distributed provides intelligent and accurate data extraction from a full range of document types such as hand printed forms, banking documents, invoices or contracts. With this powerful, reliable and scalable solution, organisations can streamline their business processes, increase responsiveness and keep up with today's requirements of ever-increasing transaction speeds.

Moving Paper at the Speed of Business

ABBYY FlexiCapture Distributed automates the process of inputting paper information into enterprise backend systems. Wherever businesses deal with documents and wherever those documents drive transactions, organisations will benefit from automating processes through reduced operating costs, increased productivity, improved data quality and compliance. FlexiCapture Distributed is a scalable solution for medium to high document processing volumes and offers a full-range of functionalities for document classification, separation, data extraction and indexing.

Single solution for processing all types of documents

Intelligent capture algorithms enable processing of any kind of business documents from fixed forms to semi- and unstructured documents in one single system.

Highly automated distributed data capture

Automated data extraction for highly time efficient data capture at lower costs due to significant reduction of manual interaction. Reduction of manual processing steps speeds up data capture to make business-critical data available in a short timeframe.

Ready for international business

One solution to process documents in several different languages for faster input into backend applications.

High quality data output

Highly accurate recognition technologies along with rule-based automated verification methods ensure optimised and validated data output.

Scalable solution for high volume processing

Multi-CPU support, a client-server architecture and enhanced parallel processing guarantees higher scalability for higher throughput needs and better distribution among networks.

Better competitiveness

Fast data extraction, higher data quality and better productivity increase responsiveness of an enterprise helping to gear their competitiveness.

Cost savings

Streamlining of business processes and reduction of operational costs for manual indexing, document separation and data extraction.

Fast ROI

Elimination of labour-intensive operations guarantees a fast payback on licensing and implementation costs.

Usage Scenario:

Enterprise Level



Usage and Scalability



Key Functionality:

- Intelligent data capture solution to process any kind of document in one single application
- Scalable client-server architecture to ensure high-performance document processing
- Remote operations for distribution of data capture to boost productivity
- Flexible workflows with automatic document routing to the correct queues
- Windows security and advanced user rights management
- Award-winning recognition technologies for OCR, ICR, OMR, 1D and 2D barcodes
- Support for 186 OCR languages including Chinese, Japanese, Korean, Thai and Vietnamese and 113 ICR languages
- Integrated monitoring for statistics and report generation
- Automated data export and export to multiple destinations
- Export via custom modules and scripting to any external application and Microsoft® SharePoint Export
- PDF- & PDF/A document export for archiving

Functionality Overview



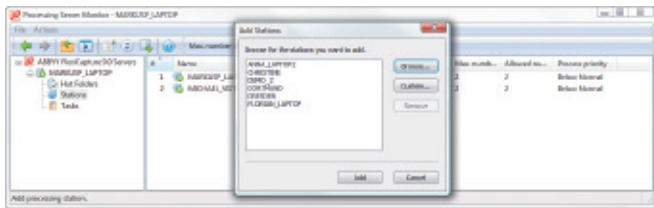
Working with FlexiCapture Distributed

ABBYY FlexiCapture Distributed delivers high performance data capture functionality via a scalable, client-server architecture designed to support high-volume processing in a distributed network environment. It includes a set of dedicated server components for data processing – with workload balancing to ensure maximum productivity – and multiple client operator stations for each step in the data capture process: setup, administration, scanning, verification and monitoring. Additionally, organisations benefit from a unique solution that combines state-of-the-art technologies for distributed data capture with an easy-to-learn and use interface for manual verification and document template development.

Distributed Server Components

Processing Server and Processing Stations

Automatically executes all resource-intensive operations such as image import, recognition, classification, data extraction, validation rules execution and export of data and images. The Processing Server has a scalable architecture and distributes tasks among its Processing stations. When adding several stations load balancing helps to boost productivity and enables high-volume throughput.



Database Server

A Microsoft SQL Server keeps all data and processing stages and stores all information about users, batches, processing operations, and statistics.

Application Server

The Application Server handles all processing tasks and queues automatically and distributes them among the stations according to priority and workflow settings.

Administration and Setup Tools

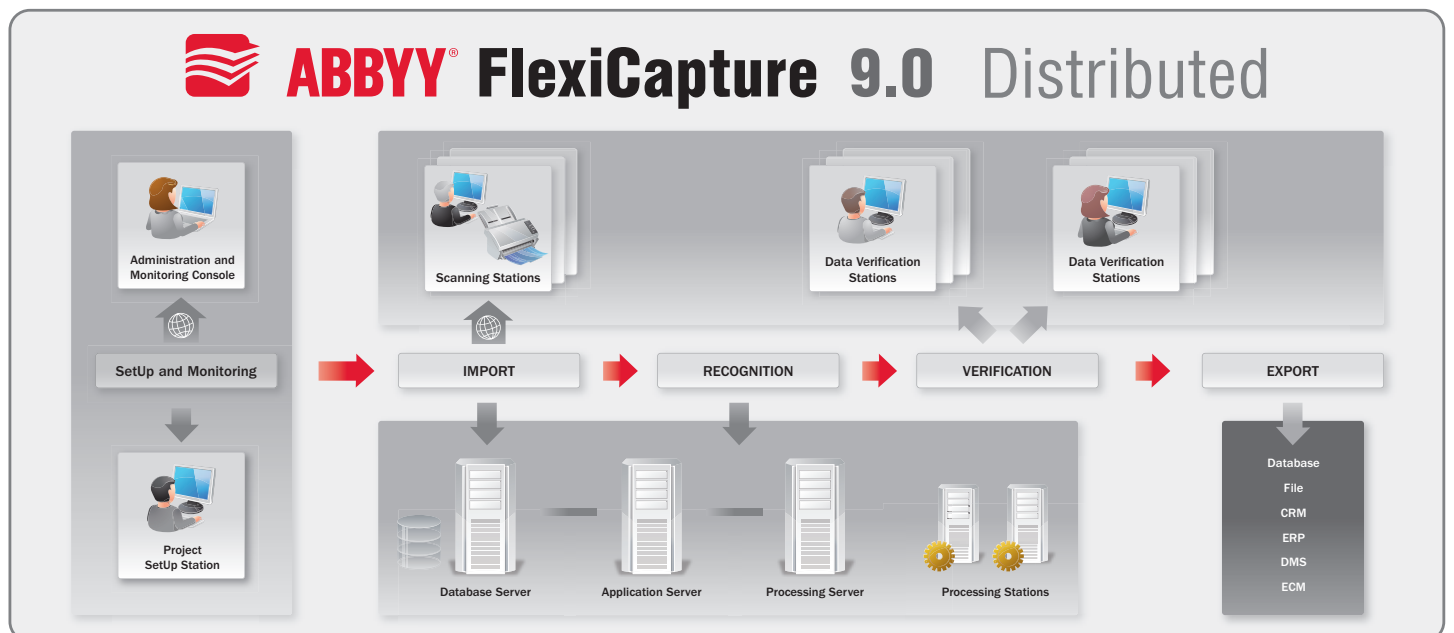
Administration and monitoring

Administrators and Operators can manage processing and track statistics using the easy-to-use Administration and Monitoring Console. Administrators use the console to manage user rights, system administration and setup. Operators can track jobs or generate statistics, control and view document batches, queues, and their status.



Layout development and project setup

FlexiCapture comes with a range of tools for layout development. ABBYY Document Definition Editor is used for creation of machine-readable fixed form templates – so called Document Definitions – for paper forms such as questionnaires. With ABBYY FlexiLayout Studio FlexiLayouts for semi-structured and unstructured documents like invoices or contracts can be developed. Data capture projects are set-up with the ABBYY Project Setup Station which also provides effective and convenient instruments to test, fine tune and adjust projects quickly and easily.





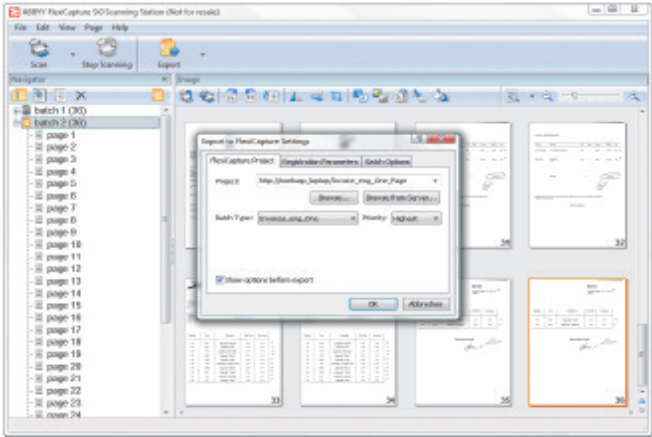
Functionality Overview

Document Processing with FlexiCapture

ABBYY FlexiCapture Distributed offers a full range of functionality for document classification, data extraction and indexing. Organisations can select and deploy user-attended client operator stations for scanning, data verification and document verification. Flexible workflows and batch type management make it easy to manage the processing and verification steps and configure the level of automatic or manual intervention desired. Workflows can be set up to automatically match and route projects to the appropriate workstations for manual verification or can be designed for automated, rule-based verification.

Scanning and image import (Scanning Station)

Batch scanning of large amounts of documents, management of scanners, quality control and preparation of images for subsequent processing can be handled by the Scanning Station. Organisations may use 3rd-party scanning applications, as FlexiCapture supports Hot-Folders to automate import.



OCR, ICR, checkmark and barcode recognition

FlexiCapture is based on ABBYY's award-winning recognition technologies, which deliver unprecedented accuracy and stability in several languages for OCR and ICR. 1D and 2D barcodes and checkmarks can be recognised and powerful image pre-processing functions help to improve recognition quality.

Automated data validation

Built-in validation rules are automatically applied during recognition to increase accuracy. Automatic data validation ensures high data quality and reduces the workload for subsequent verification.

Document separation, indexing and classification

Simple document separation via blank pages and barcodes can be implemented in FlexiCapture Distributed. Intelligent separation via multipage document definitions enables processing of different document types in a single stream. Built in multi-level classifiers speed-up the document template matching process.

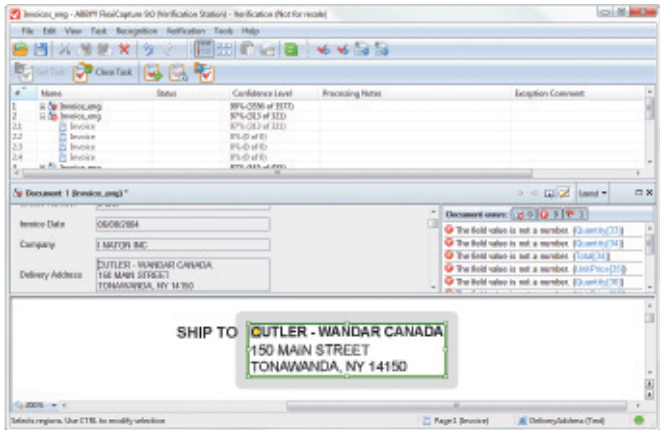
Data verification (Data Verification Station)

Data verification operators execute low-level verification tasks to see if extracted data can be matched with original document data. Verification can be carried out on group and field-level for the correction of form errors. Documents can be sent to an exception queue if data extraction is completely inaccurate.

Document level verification (Verification Station)

Complex document errors can be manually checked using the verification station. Master verification operators can check for assembly errors, in document composition and rules validation for data correctness. They can also manually re-assemble documents containing classification and assembling errors. An intuitive "drag-and-drop" interface simplifies this process.

Faulty documents can also be re-sent to the Data Verification Station for re-verification. The document window allows a full-scale image view for document verification.



Data export

Data can be exported to backend applications, databases or can be stored in enterprise repositories. Powerful export features include automated export and export to multiple destinations. FlexiCapture Distributed supports the following export destinations:

- Files (most common file formats supported)
- XML (Basic and advanced XML export)
- External databases (via ODBC)
- Microsoft SharePoint
- ERP, DMS, CMS and other business applications through custom modules, connectors or scriptable export

Archiving and redaction

Document images can be prepared for archiving when converting them to Searchable PDF/PDF-A. Redaction allows removing confidential or sensitive data from certain fields.

Specifications and Licensing

Specifications

System requirements

- **PC:** Intel® Core™2/2 Quad/ Pentium® /Celeron® /Xeon™, AMD 6/ Turion™/Athlon™/Duron™/ Sempron™ processor or compatible with a minimum clock speed of 2 GHz
- **Operating systems:**
 - For servers:** Windows Server 2003 SP2 x86, Windows Server 2008 x86 + Hotfix for Windows (KB959489)
 - For stations:** Microsoft® Windows® XP SP2 x86, Windows Vista® SP1 x86 + Hotfix for Windows (KB959489), Windows Server® 2003
- **Memory:** 1 GB for every CPU core

Required external components

- Microsoft .Net Framework 2.0 or higher
- Internet Information Services version 5.1, 6 or 7
- Crystal Reports Basic Runtime for Visual Studio 2008
- Microsoft SQL Server 2005 or 2008
- Web Browsers: Internet Explorer 6, 7, 8; Firefox 3.5; Opera 8, 9.5

Input formats

BMP, PCX, JPEG, JPEG 2000, PNG, TIFF, DjVu, DCX, PDFs (including PDF/A)

Recognition languages

Please check www.ABBYY.com for a full language list.

- **OCR:** 186 languages, 42 with dictionary support
- **ICR:** 113 languages
- **OMR:** Checkboxes, non-framed checkboxes, bubbles
- **Barcodes:** 1D-Barcodes including EAN, Check, IATA, UCC and UPC and 2D Barcodes including PDF417, AZTEC and Data Matrix

Data export formats

- XLS, DBF, CSV, TXT, CSV
- Basic and advanced XML export
- Database export via ODBC
- Export to Microsoft Sharepoint
- Export to backend applications via custom modules

Image export/saving format:

- BMP, PCX, PNG, JPEG, JPEG 2000, TIFF and DCX
- Export for archiving to searchable PDF and PDF/A

ABBYY FlexiCapture 9.0 Licensing

ABBYY FlexiCapture is sold through ABBYY FlexiCapture certified value-added resellers, system integrators and to service providers. The product's flexible licensing scheme allows partners to select the best pricing option for their specific project. Licensing is offered as:

Pages per year licenses (PPY)

FlexiCapture Distributed is delivered on a pages per year licensing model. A page limited license grants the right to process a given amount of pages within a designated timeframe in yearly increments. PPY describes the amount of pages which can be processed during a one year timeframe. Processing power is **not limited** when licensing FlexiCapture Distributed on a PPY license scheme. Multiple processing stations and cores are allowed, which allows for implementation of high-performance data capture scenarios in an organisation.

Add-on modules

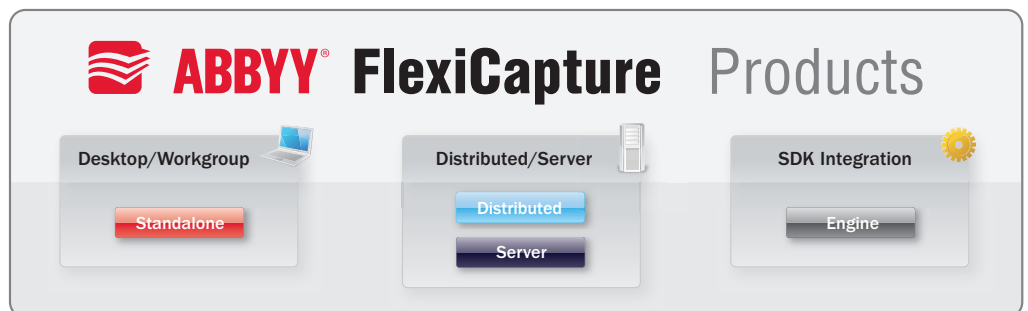
Licenses can be enhanced by adding language support for CJK, Thai and Vietnamese. Additionally, custom modules for data export to industry-leading backend applications or export to searchable PDF/PDF-A are available as Add-Ons.

Support, maintenance and upgrade assurance (SMUA)

FlexiCapture Distributed includes a one year subscription for support, maintenance and upgrade assurance. Additional support and maintenance for the following years can be purchased in yearly increments.

ABBYY Data Capture Product Line

ABBYY Data Capture products come in different variants to serve different needs. FlexiCapture is available in workgroup based solutions for departments, client-server based solutions for distributed data capture in medium-sized enterprises or as software development kits (SDK) for integration within custom-built applications.



ABBYY Professional Services

ABBYY offers professional services to help partners jump-start projects or provide additional expertise and support for your teams. Services include creation of FlexiCapture document definitions (templates) and FlexiLayout development.

ABBYY FlexiCapture Certification and Training

To ensure the success of your projects, ABBYY offers additional support, training, and certification programs on FlexiCapture Technology. ABBYY trainings are offered regularly. Please see www.ABBYY.com for training schedules.



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