

## ABBYY FlexiCapture 9.0

### Product Information



### Take the Data. Leave the Paper.

ABBYY FlexiCapture 9.0 is the supremely intelligent, accurate and scalable dynamic data capture and document processing solution. ABBYY FlexiCapture provides a single entry point to automatically convert the stream of various forms and documents of any structure, complexity and volume.

Flexible and scalable architecture of ABBYY FlexiCapture 9.0 allows to provide solutions that meet a wide range of throughput needs - from cost-effective, easy-to-deploy and -use yet powerful solution for small-to-medium businesses and departments tasks to powerful, manageable, reliable and highly scalable solutions for large businesses and government projects.

#### Award-winning FlexiCapture technology

The most intelligent technology in the market to automatically and accurately locate and extract required data from documents with variable layouts of any complexity, including multi-paged documents with variable number of pages and continuous table elements.

#### High scalability from small-to-medium to large volume projects

Single product for both simple standalone and distributed client-server configurations.

#### Superior usability in both set up and every-day exploitation

Maximum automation and simplification of both deployment and processing operations, intuitive tools for administrators, ergonomic interfaces for operators on routing processes.

#### Advanced integrity and customizability

Web-service API of server side and scripting of main processing events ensure easy adaptation to specific capture requirements and smooth integration into enterprise workflow.

#### Cost effective

Reduce costs of data extraction by deploying automated data capture capabilities.

#### ABBYY always in touch

Being an international company, ABBYY has local offices and partners' centers of competence all around the world. Thus ABBYY customers are sure to receive technical support:

- In time (within their time-zone);
- In a native language (from a local VAR);
- For any case (since ABBYY provides technologies of its own development).

### Single Entry Point for Any Kind of Documents

ABBYY FlexiCapture 9.0 is a comprehensive product offering capture of data from all types of documents in a single stream:

#### Templated, or "fixed" forms

tax forms, insurance claim forms, questionnaires, voting forms, school exams and others.

#### Semi-structured documents

invoices, purchase orders, payment slips, shipping orders and others

#### Unstructured documents

contracts, articles, letters, lease agreements and other full text documents.

#### Various combinations of document types and multipage documents

multiple page contracts, invoices with plain text or image appendices and others.

# Key Functionality



## Preparation, Set-up and Administration

In ABBYY FlexiCapture 9.0 the data capture process is divided into various stages. The basic distinction is made between two user modes: **Administrator mode** (setting up the whole capture process, preparing document templates and testing the preparation results) and **Operator mode** (capture/processing operations only).

ABBYY FlexiCapture provides easy-to-use, powerful design and template creation tools:

**FormDesigner** — a design module to create and print out blanks of fixed forms intended for completion by hand. Document templates

required for processing the forms are created automatically from these blanks.

**NEW!** FormDesigner allows to create a form and distribute its PDF version via e-mail or publish to the network location, adding a “Submit” button allows to receive responses via e-mail or HTTP.

**FlexiLayout Studio** — the powerful tool for creation FlexiLayouts and Classifiers which are used for document identification, recognition and data extraction during processing.

**Document Template Editor** — a special module to provide Document Templates for any type of documents with processing settings and rules.

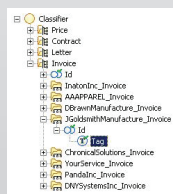
## Processing

### Import

- Document images can be imported into the program from any scanning device (scanners or MFPs) that support TWAIN or ISIS scanning protocols and from a folder including automated input from a Watched folder.
- Import operations can be simplified and automated by using a set of Import Profiles with pre-defined settings.

### Document Recognition with Automatic Validation

- Image Pre-processing – operations to improve recognition quality such as page orientation correction, page invert or deskew, and “noise” removal.
- Automatic Document Classification allows to transform the incoming mix of separate image pages into the set of appropriate one- or multi-page documents.
- **NEW!** Multi-Level Classifier optimizes identification of documents in the batch. It allows assigning the Classification tree with unlimited number of logical levels (classes): separate invoices from contracts, classify invoices by supplier, pick out invoices from a particular supplier by date, etc.
- Data and text extraction – depending on the document type, the appropriate data or text are accurately extracted by accurate ABBYY multi-language recognition technologies: OCR, ICR, OMR, barcode recognition.
- Automatic validation of data – built-in validation rules which are automatically applied during recognition to increase accuracy.

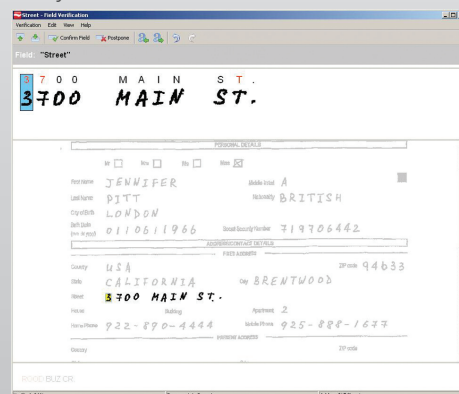


### Verification

- Intuitive, customizable verification Interface – It is easy for operators to check data because each recognised character is assigned with a status which reflects the degree of certainty with which it has been recognized.
- Three verification modes
  - Field context verification

- Group verification for high speed, verifying checkmarks and digits in groups of similar values
- Verification in the document window for correcting validation rule errors

- Correction of document assembling errors – easy correction of assembling errors via “drag-and-drop” functions, using a thumbnail view of documents
- Manual indexing using KFI for fields that cannot be extracted automatically
- “On-the-fly” OCR correction – automatic re-recognition
- **NEW!** Whole image view during Group and Field verification: optional ability to display the whole page image during group and field verification allows viewing the location of the field on the page.
- **NEW!** Using external data sources for validation: designate external files and databases for use during validation, keep the sources up-to-date and FlexiCapture will use the updated data automatically



### Export

- Export destinations: files, external databases (via ODBC), MS SharePoint, any business application or ECM system (by using custom modules)



# New features

## Standalone and distributed installation

Depending on the needs of a particular project ABBYY FlexiCapture 9.0 can be installed in two configurations – Standalone and Distributed. Standalone Installation works as a desktop solution and is intended for small-to-medium projects with about up to 5K pages per day productivity and up to 3 processing operators involved. Distributed Installation includes 4 Servers and 5 user-attended Stations. The Distributed installation is intended for large enterprise and government projects with more than about 5K pages to process per day, more than 3 processing people involved in the process.

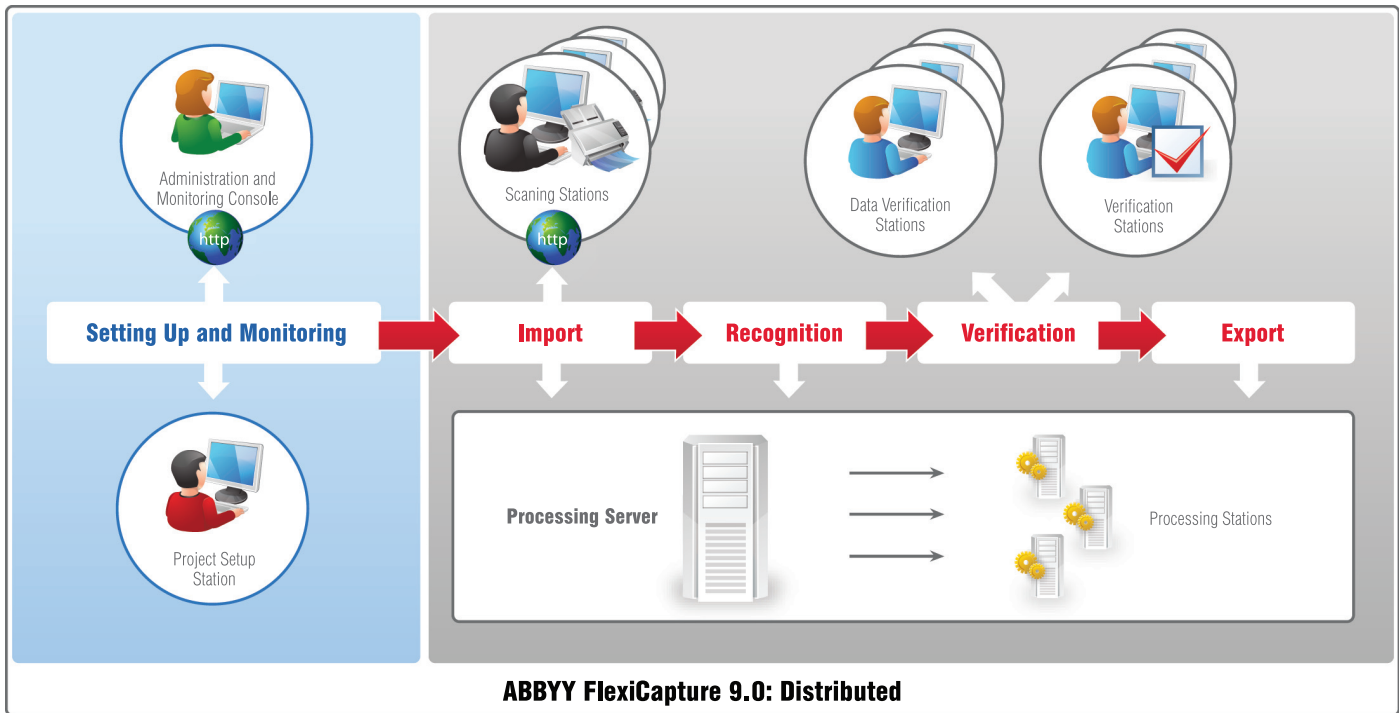
### Server-based architecture

- Processing Server automatically executes all resource-intensive operations such as import of images, recognition (classification, data extraction, validation rules execution), and export of data and images. It has a true scalable architecture and distributes processing tasks among Processing Stations performing the load balancing.
- Application Server handles all processing task queues and automatically distributes them among the Stations according to priority.
- Licensing Server ensures proper work of Stations and Servers according to the scope of the license.

- Database Server keeps information about users, batches, processing operations, statistics and extracted data.

### Dedicated user-attended stations

- Project Setup Station performs creation, setting up, fine-tuning the project (import profiles, document definitions creation, workflow settings, batch types, etc.).
- Scanning Station performs scanning, documents separation, post-scan editing. Remote Scanning Station performs scanning and delivering documents via HTTP to FlexiCapture right away from any remote point of their entry.
- Data Verification Station stands for low-level verification — checking uncertainly recognized characters.
- Verification Station stands for high-level verification: checking rules errors, exceptions queue handling, export confirmation, out-of-stream scanning.
- Administration and Monitoring Console stands for user rights management, performance reports creation, batches and queues monitoring. Web-based remote Administration and Monitoring Console allows monitoring the performance of the system anytime from anywhere using a web-browser.



## Flexible automated workflow

- All the processing tasks are automatically divided into queues and flexibly distributed among users and stations.
- Define the allowed percentage of uncertain characters to skip manual verification and pass the documents directly to export.
- Pass problem documents to the Exception Queue and let them be processed by Senior Verification Operator out of the main stream.

## New languages: Chinese, Japanese, Korean, Vietnamese

- ABBYY FlexiCapture 9.0 expanded the number of Asian languages and can process documents and forms with mixed ideographic and alphabetical languages (e.g. Chinese and English in one document).

# Specification



## Special Features

### Enhanced export capabilities

- **Multiple destinations export:** export data and images to several different destinations simultaneously and set up as much destinations and formats as needed, supply the back-end application with data and ECM system with indexed images during one export action.
- **Automated export:** no manual confirmation for export is required, after export is completed documents can be deleted automatically, documents with errors can be exported to a specified storage in the same way as documents without errors.
- **Redaction:** it is possible to change the look of images for each export destination by redacting certain fields on the image. This feature allows preserving confidential or sensitive data.

### Customization and Integration Tools

- **Scriptable Rules** provide ability to apply any actions to document fields: apply validation rules, fill in with some data, normalize etc.
- **Scriptable Export** event provides ability to create custom export modules that deliver data and images directly to any external application: ECM, CRM, ERP etc.
- **Web Service API** provides SOAP access to FlexiCapture Processing Server from an external application. By using the API, FlexiCapture may be integrated into various business applications and workflows as an automated document classification and data capture service.

## Trial and Licensing

ABBYY offers fully functional trial versions with time and page limitations which allow organizations to test the various FlexiCapture functions. Competitive software upgrade and assurance packages ensure compatibility with the latest ABBYY technologies.

## Pricing and Availability

The price depends on the functionality included and the number of pages which can be processed. Please contact ABBYY certified value added distributors and resellers in your region.

## Recognition

OCR: More than 190 languages including Chinese, Japanese, Korean and Vietnamese

ICR: More than 110 languages

OMR: Circles around selections/numbers, Check boxes, Non-framed check boxes, Bubbles

Barcode: 1D: Code 39, Check Code 39, Interleaved 25, Check, Interleaved 25, EAN 13, EAN 8, Code 128, Codabar, Code 93, IATA 25, UCC-128, UPC-A, UPC-E, Matrix 2 of 5, Industrial 2 of 5, PostNet and 2D: PDF 417

## System requirements

Intel® Core™2/2 Quad/Pentium®/Celeron®/Xeon™, AMD 6/Turion™/Athlon™/Duron™/Sempron™ processor or compatible 2 GHz

Operating system:

- For stations (Standalone or Distributed): Windows XP SP2 x86, Windows Vista SP1 x86 + Hotfix for Windows (KB959489);
- For servers (Distributed): Windows Server 2003 SP2 x86, Windows Server 2008 x86 + Hotfix for Windows (KB959489)

For the program to run with a localized interface, the operating system must provide the required language support

RAM: 512 Mb for every CPU core; but not less 1 Gb total

Free hard-disk space: Standalone: 1 Gb (including 700 Mb for installation), Distributed/Stations: 1 Gb (including 800 Mb for installation), Distributed/Servers: 50 Mb for installation + 2 Gb for the Database of SQL server

Scanner supporting TWAIN, WIA or ISIS

## Image Input Formats

PDF, PDF/A

BMP

PCX

PNG

JPEG, JPEG 2000

TIFF

DCX

DjVu

## Data Export/Saving Formats

TXT

XLS

DBF

XML

CSV

## Image Export/Saving Formats

TIFF

JPEG, JPEG 2000

PCX

BMP

PNG

DCX

PDF, PDF/A (image only, text under image)

Please check [www.ABBYY.com](http://www.ABBYY.com) for the full language list and system requirements

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