




New features of ABBYY FlexiCapture 9.0 Professional compared to FormReader 6.5 Desktop

Types of documents processed


✓ **Multipage documents with a complex structure**

The program allows the automatic identification and processing of structured, semi-structured, and unstructured documents with a varying number of pages, recurring pages, and documents with annexes.

-  Types of documents processed with ABBYY FlexiCapture 9.0
-  Creating Document Definitions for multipage documents
-  Creating Document Definitions for documents with annexes


✓ **Unstructured documents**

Unstructured documents with text or images separated with blank pages, pages with barcode or patch-code are indexed with the help of simple Document Definitions, processed and exported to PDF searchable files or to graphic files.

-  Processing unstructured documents


✓ **Semi-structured multipage documents with complex tables or tables on several pages**

Semi-structured multipage documents with tables continuing from one page to another are identified, assembled into documents, and processed with the help of a single flexible description.

-  Creating a Document Definition for flexible document processing


✓ **Fixed forms with tables**

To simplify processing of documents containing tables, the program now supports tables in fixed forms.

-  Creating a table

✓ **Recurring elements**


The program supports recurring field groups in structured and semi-structured documents. This simplifies the process of configuring the processing of documents containing identical element groups repeating several times, including processing of complex tables with such groups.

-  Creating a field group

Program architecture

✓ **Operator and Administrator modes**



The Operator and Administrator modes are enabled when you select different commands in the Start menu. They can be installed on different computers. All program functions are available in the Administrator mode. In Operator mode, the user cannot edit Documents Definitions, import profiles or access test batches.

-  Administrator and operator modes

✓ **Working with projects**


A project is a single environment uniting document batches and the settings required to process them, such as Document Definitions, import profiles, and suchlike.

A project can be used by different copies of the program: a project can be exported and imported as a single object, a project can be updated or transferred from one computer to another. Different workstations can work with the same projects over a network, making it possible to streamline document processing.

-  Creating a project
-  Project properties

✔ **Convenient tools for working with background processes**


Time-consuming operations, such as adding images, recognition or export, can be performed in background mode, which significantly reduces document processing time. The user can always check the status of any background process, change the priorities of the tasks, and view the processing log.

-  Background mode

Document Definition editor

✔ **Working at document level**

Document Definitions are created for the entire document as processing units. A Document Definition determines the way in which documents of a relevant type are identified and processed. Each Document Definition contains page images, assembly rules, descriptions of fields and static elements, verification rules, verification settings, descriptions of data types, and data export settings.

-  Creating Document Definitions for multipage documents

✔ **Switching between image modes**

Using the Document Definition editor you can now switch between two image modes: you can view images in the original color and in black-and-white, regardless of the format in which images are added to the batch. A color image simplifies the creation of Document Definitions for color forms, since in this mode you can see field marking and explanatory text: this is necessary in order to draw the field region and assign a name to the field. Viewing black-and-white images is important to make sure that anchors and static text are visible after the binarization that takes place in the process of recognition.

✔ **Data form editor**

The data form editor makes it easy to create a custom presentation of extracted data and to display them in the most convenient manner for the operator.

-  Configuring data presentation in the document window

✔ **Presentation of fields in a tree form**

The document structure is graphically presented as a fields tree. This form of field presentation allows you to quickly edit, copy, delete, and move fields.


✔ **Presentation of the document structure in the form of page outlines**


The document structure is conveniently presented as page outlines. This makes it easier to view, edit, and create Document Definitions for multipage documents.

✔ **Separate viewing of static elements and fields**

Static elements and fields are shown separately. Presenting static elements and fields in this way makes it easier to


create Document Definitions: this process can be divided into two stages – static elements are created separately, while anchors, separators, anchor text and barcodes do not interfere with the creation of field regions.


 Creating fields of a Document Definition

 Static elements

✔ **Grouping fields**


Fields can be combined into groups to enable clear presentation of document structures and the creation of recurring field groups.


 Creating a field group

 Properties of a field group

✔ **Tables in fixed Document Definitions**


You can now create a Table field in fixed Document Definitions, which considerably simplifies configuration, data extraction, and data export from tables. A Table field is set of same-type columns and recurring lines.

 Creating a table

 Table properties


✔ **Recurring elements in fixed Document Definitions**

Recurring elements are fields or field groups that occur a number of times in the form and which describe similar objects, such as the same details of several employees, children, accounts, etc. The structure of such recurring elements is similar to that of a table: a set of fields is a column, while each repetition is a table row. The Document Definition editor simplifies the configuration and processing of such fields.

 Fields with several instances

✔ **Fields located on several pages of a form**


If your form has fields whose region is located on several pages (for example long tables), the Document Definition editor lets you view them as a single field, greatly simplifying configuration and processing.

 Fields with several regions

✔ **Automated fixed Document Definition creation**

The Document Definition editor offers new tools that automate and simplify the creation of fixed Document Definitions:

- automatic identification of text fields with a region;
- automatic identification of vertical and horizontal separators in tables;
- automatic identification of a field with a single click of a mouse button in the field region;
- automatic assignment of a field name that matches the nearest explanatory text;
- recognition and copying of static text from the Document Definition image to field properties;
- automatic adjustment of field boundaries.



 Automatic detection of fields and static elements

 How to change a field name

✔ **Improving the configuration of data types**



We have elaborated the settings of data types to simplify the creation of Document Definition, and to improve the extraction and verification of field data. The most frequently used data types (text, date and time, currency, number) are included in the set of preconfigured data types. In turn, the most frequently used formats of preconfigured data types are

included in the set of preconfigured formats and can be selected from the list without the need to create complex rules for format verification.

-  Data types of the text entry field
-  Creating custom data types



✔ **Description of verification rules using the JScript® language**

Verification rules can now be described as script using the JScript® language (in addition to the VBScript language). This allows you to configure any custom rules for verification of data that is extracted.

-  A rule set with the help of a script
-  Using scripts to create rules


✔ **Index fields**

If the option **Index field** is enabled in the field properties, then values of this field can be displayed in the form of an additional column in the document batch window. Documents can be sorted based on the value of this field. During export, the values of the index fields can be added to the file names, which makes it easier to find the information you need.

-  Index fields
-  Rules for naming export files

✔ **Additional statuses of Document Definitions**

When you open a Document Definition in the Document Definition editor, a temporary local version of the Document Definition is automatically created. This editable version is not included in the processing of documents until it is published. This functionality allows you to organize work with Document Definitions in projects that are split.

-  Editing and publishing a Document Definition

✔ **Testing Document Definitions on special batches in the Document Definition editor**

To simplify and speed up Document Definition creation, editable Document Definitions can be tested during creation without the need to exit the Document Definition editor. A Document Definition can be tested while it is being created, on the image that is being used to create the Document Definition. Special test batches can be used for such testing, which are not used for the actual processing of documents.





-  Testing Document Definitions
-  Document batches

Image import

✔ **Automatic assembly of pages into documents**


The incoming flow of images from the scanner or hot folder can be automatically divided into documents, when you use:

- multipage image formats, such as TIFF or PDF;
- blank pages, pages with barcodes or patch-codes.

-  Adding page images
-  Image pre-processing options


✔ **Image import profiles**

Image import profiles are used to create sets of preconfigured settings for various document import sources (scanners or folders). An import profile is saved and assigned a name, which can be then selected by the operator from a list.

 Image import profiles


✔ **Single-click import**

Image import according to the settings of the profile last used can be performed with a single click.

 Adding page images

✔ **Background import mode**

Import can be performed in background mode. The program checks for new images in the hot folder at specific intervals.

 Background mode

Classification, Document Definition application, recognition

✔ **Full-text recognition for export to a PDF-searchable file**

The program supports a full-text document recognition scenario with subsequent export to PDF and PDF/A searchable files. This is especially useful when archiving unstructured and semi-structured documents.

✔ **New recognition languages**

- Kirghiz (OCR/ICR)
- Kazakh (OCR/ICR)
- Thai (OCR)

✔ **New barcode types**


- Matrix 25
- Industrial 25
- PostNet

✔ **Location of corrected characters in fixed forms**

If a character entered by mistake has been erased, it is presented to the operator during verification to enable him or her to input the correct character manually.


✔ **Ability to remove separator pages**

Pages with barcodes, pages with patch codes, and blank pages that are used as separator sheets can be automatically removed from the batch.

 Image pre-processing options

✔ **Ability to remove blank pages**


Blank pages can be removed during recognition.

 Project properties

Data verification


✓ Improvements in the verification interface

- Full-screen mode.
- The status bar shows the current percentage of verified characters.

 Verification of recognized data


✓ New interface configuration possibilities

- The location of the window with the field image can be changed.
- The window's scale can be changed. There is also a function for automatic selection of the best scale.
- The user can change the font size of characters.

 Verification of recognized data


✓ Improvements in group verification

- A popup tip with the context of characters.
- Configurable size and contrast of the area adjacent to the character.

 Group verification

✓ Improvements in field verification

- Format rules can now be checked during the process of field verification. The user sees an error description and has a list of proposed changes to the value.
- There is now a mode for displaying a field with character cutting.
- Multiline fields are supported.
- Popup tips for characters that simplify understanding, for example, the letter "O" and number "0".


 Field verification

✓ On-the-fly field recognition

During verification in the document window, every change in the boundaries of the field region entails an automatic re-recognition of the corresponding image region. This functionality simplifies and speeds up data extraction from fields with inaccurately specified regions.

✓ Improved interface for rule error correction


- Every rule in the list of rule errors is accompanied by a reference to the relevant field. These references allow you to go quickly to fields with possible errors.
- The list of error rules can be docked at the bottom, top, right-hand or left-hand side of the document window.

 Rule validation

✓ Correction of document assembly errors in page outline mode

A new page outline mode for batch documents is available. This mode is very convenient for correcting document assembly errors, allowing the user to:

- view page outlines grouped by documents;
- see mismatches between values of key fields and descriptions of assembly errors;
- correct assembly errors by moving pages from one document to another, dragging and dropping pages with the help of the mouse;
- change the scale of page outlines to view details (by holding down the Ctrl key and using the scroll wheel).

 Assembling pages into documents

✓ Password-protected PDF files can now be opened

✓ DjVu files can now be added

 Export Rule validation


✓ Export to Microsoft SharePoint

Now you can set up export to Microsoft SharePoint using the program interface.

 Exporting data to a SharePoint document library

✓ Single-click export

If export settings have been configured, a document batch can be exported with a single click of a button. This prevents the operator having to perform extra actions and speeds up the document input process.


 Exporting recognized data

✓ Export of document images together with data

Together with data export, you can export images of the relevant documents.


✓ Helpful rules for naming resulting files

When exporting data to a file to Microsoft SharePoint, file names are generated automatically based on user-defined rules. You can append the values of index fields to filenames, the value of the barcodes from separator pages, etc. Meaningful file names make it much easier to find the information you need.

 Rules for naming export files


✓ New document and image formats

PDF, PDF/A searchable

 Supported graphic formats



✓ Linking fields when exporting to a database

Configuration of export to a database is accompanied by a convenient interface for linking fields, enabling the user to quickly match document fields with database fields.

 Export to database


✓ **Export described with a script**

The user can describe any export procedures using the VBScript and JScript scripting languages.

-  Export described with a script
-  Using scripts to describe exports

✓ **Changing image resolution during export**

The resolution of exported images can be modified to suit storage requirements.



-  Configuring data export

✓ **Picture export to file**

The image of the entire document or an individual Picture field can be exported to a separate graphic file.

✓ **Removing exported documents from the batch**

If you do not need to store exported documents in the batch, you can delete them immediately following export.

-  Exporting recognized data
-  Additional options