

ABBYY FlexiCapture 12

Smart Capture for Smarter Processes

Accelerate the Speed of Digital Transformation

ABBYY FlexiCapture is an intelligent information capture platform that rapidly, accurately and cost effectively extracts and validates the critical business data locked within business documents. Leveraging advanced implementations of AI, machine learning and natural language processing, FlexiCapture automatically identifies documents while extracting meaningful insights and data to automate and accelerate processes and transactions irrespective of channel.

FlexiCapture solves the following challenges associated with information capture:



Document Classification

FlexiCapture automatically identifies document types through multiple independent classifier mechanisms. The layout of the document artifacts (text blocks and images), textual content and sophisticated business rules are used either independently, or in combination, to classify the type of document being processed.



Inter-related Documents

FlexiCapture's support for "Document Sets" exploits the pre-existing relationships between the documents undergoing processing to maximize the speed and accuracy with which information is obtained. FlexiCapture is able to cross reference data between the inter-related documents contained within a case folder.



Intelligent Data Extraction

FlexiCapture's "FlexiLayouts" allow for documents to be processed regardless of their physical layout. The information contained within a document is not merely based on its location on the page, but rather in the context of the document as a whole. Data can be identified using a variety of intelligent, trainable algorithms.



Multiple Languages

FlexiCapture provides an unparalleled level of support for over 180 different languages. FlexiCapture is also capable of recognizing multiple languages on the same page of a single document. This ensures that FlexiCapture is globally deployable, able to handle documents regardless of their geographical origin.

Highlights

- AI based learning platform reduces implementation and ongoing administration costs and ensures highest levels of accuracy.
- Capture documents via scanners, faxes, email, network folders and mobile devices
- HTML5 based web client applications
- Advanced monitoring and reporting for process analytics
- Flexible licensing models
 - Perpetual
 - Subscription
 - One-time
- Data verification via external database lookup
- No requirement for rigid form templates
- Configurable export connectors to export documents and extracted data

Functionality

Omni-channel Document Capture

Documents can be processed consistently, regardless of source. Paper based documents can be captured via local or networked scanners, MFPs, mobile devices or web based scanning. Prior captured documents can be fed directly into the system via network file shares, FTP folders and/or e-mail.

Intelligent Document Classifier

The embedded neural network technology is utilized to both initially train the system and continually improve the accuracy of the automated document classification. This both accelerates the process, eliminating costly pre-processing and manual re-work.

No Need for Rigid Forms for Each Document Layout

“FlexiLayouts” allow FlexiCapture to handle a wide diversity of layouts of the same underlying information from different sources (e.g. bills of lading from different transportation service providers) without the need to create a specific template for each discrete format.

Document Sets

FlexiCapture is able to process folders or packets of inter-related documents as ‘Document Sets’. This ability to incorporate and understand the relationships that exist between documents ensures the information contained with multiple documents, such as a case folder, can be rapidly and accurately aggregated.

This capability can also be used to rapidly identify any missing information or documents in order to avoid lengthy delays later on in the resulting business processes.

Over 50 Language Dictionaries

FlexiCapture’s recognition technology is capable of recognizing not just individual characters, but entire words contained within over 50 language dictionaries. This further enhances the recognition accuracy in the event that an individual character is not readable.

Support for over 180 Languages

FlexiCapture supports over 180 languages, including non-Latin-based languages such as Vietnamese, Arabic, Chinese and Japanese. This includes the ability to process documents containing multiple languages on a single page.

Flexible Clients

FlexiCapture provides both thin and thick client applications facilitating maximum deployment and integration options. The HTML5 based FlexiCapture 12 web clients provide maximum browser flexibility and enable the FlexiCapture UI to be seamlessly embedded into in larger web-based applications.

Database Connectivity

FlexiCapture can improve the accuracy of the information extracted by exploiting pre-existing data in other line of business applications, through configurable database connectivity and look-ups. This increases the speed and accuracy with which documents are processed.

High Performance, Scalable Infrastructure

FlexiCapture delivers a high level of performance, capable of processing millions of pages per day on an infrastructure that is scalable both horizontally and vertically.

Cloud-ready Architecture

FlexiCapture is built on a cloud-ready architecture that will support a multi-tenanted web-based deployment operating in private/public/hybrid cloud configurations.

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