

Features and Functions

Input

- **Document Input Folders**
Recognition Server offers two options for adding documents to the workflow. Documents can be transferred from a client computer, or direct from a networked scanner or multifunctional device (MFP) to either a **shared folder** or **FTP folder**.
- **Workflow Scheduling and «Watch Folders»**
Processing can be performed according to a pre-determined schedule, or «Instantly» on certain «watched» folders as soon as new images are added. Options for selecting time, start and end date, and ongoing scheduled tasks such as weekly or monthly so that jobs can be set to run overnight, or during peak-off hours for maximum efficiency.
- **Workflow Priority**
Administrators can assign priorities to their processing profile.
- **Image Input Formats***
Supports popular formats such as BMP, PCX, TIF or PDF (including image-only PDF).
- **Support for Subfolders**
The program allows users to create input folders with complicated structure - they can include subfolders. In addition, when creating an output folder, the program automatically mirrors the structure of an input folder.

Output

Multiple Document Output Formats* include DOC, PDF, RTF, XML, HTML, DBF, XLS etc. Can be set up to create multiple document output formats for a single process (e.g. convert image-only PDFs to searchable PDF and XML files in a single pass).

Processing

- **Pre-defined Processing Scenarios**
Administrators may select the conversion or recognition method optimized for a specific task:
 - Full page document conversion (with formatting and layout)
 - Full-text indexing
 - Invoice archiving
 - Extract barcodes only
- **Extremely High Recognition Accuracy and Layout Retention**
ABBYY Recognition Server is based on the acclaimed ABBYY FineReader Engine, the Recognition Server ensures the best possible recognition (OCR) accuracy and conversion quality. OCR includes

recognition of normal text, typewriter, dot-matrix, OCR-A, OCR-B, and MICR (E13b).

- **Multi-lingual Recognition***
Recognition Server reads **190 languages**. It also delivers almost the same high accuracy processing multilingual documents in comparison to single-lingual document. With **FineReader XIX** included, the program recognizes old European documents and books printed from 1700 to 1937 in **English, French, German, Italian, and Spanish**. It may recognize texts printed by Fraktur, Schwabacher and the majority of Gothic fonts. Recognition server comes with a module to support recognition of **four Asian languages: Traditional Chinese, Simplified Chinese, Japanese, and Korean**. **Hebrew** recognition module is also available.
- **PDF Conversion***
 - **PDF input** – converts a variety of PDF files, including image-only PDF to searchable and editable formats.
 - **PDF output** – converts images (and image-only PDFs) to searchable PDF files; and support linearized, tagged, and secure PDF outputs. Supports native PDF encryption – 40-bit and 128 bit AES.
- **Barcode Recognition**
Reads the most popular 1D and 2D barcodes and provides the ability to find and recognize barcodes at any angle on a document.
- **Multiple Document Input/Output Formats Support***
Ability to convert a variety of input image formats to a multitude of searchable/editable output formats. The system can also be set up to create multiple document output formats for a single process. For example, users can convert image-only PDF files to searchable PDF, XML, and RTF files in one single pass.
- **Speed Control**
Ability to select from thorough recognition mode and fast mode.
- **Advanced Processing and Image Pre-processing.** Selection of automatic functions such as split dual pages (for book scans), convert color and grey to black and white, clear background noise, and image deskew and despeckle.
- **Load Balancing**
Recognition Server is able to automatically distribute the processing of multipage documents (by splitting them into pieces) among processing stations, maximizing the use of all available resources in a network. This further enhances the efficiency of the system when handling large volumes of documents.

Error Handling

- **Quality Control**
Ability to set quality threshold based on confidence level and the percentage of uncertain characters per page allowed.

- **Job Cancellation**
Sets a timeout for automatic cancellation of a job.
- **Processing Recovery**
Auto-restarts the Processing station if it experiences failure and in the mean time, reroutes jobs to other available stations or routes back to the same station after it restarts.
- **Exception Folder**
Ability to re-process suspicious images and re-process job if the number of uncertain characters is above than critical

Administration Features

- **Microsoft Management Console (MMC)-based administration module**
Using MMC-based administration component requires little or no learning curve for an experienced IT manager.
- **Ability to define processing profiles, job priorities, and quality control threshold.**
- **Processing Statistics (XML result).**
- **Logs and Notifications.**
- **Queue Management** – ability to rearrange job priorities.
- **Data Transmission Ability**
It is possible to use RPC over TCP/IP and Named Pipes. Recognition Server allows customers to utilize any port their security policy supports and to use resources of different networks for document processing.
- **Flexible Compatibility of Versions**
The program provides functionality to easily upgrade the system, with the ability to automatically save processing settings (for a workflow, processing stations, etc.).

Application Integration

- **Open, COM-based Application Programming Interface (API)**
Allows seamlessly integrate Recognition Server processing into an external workflow. In such a way users could call and manipulate document conversion and recognition functionality from any enterprise content management (ECM), electronic records management (ERM) or document management systems (DMS).
- **XML-Ticket Support**
Ability to manipulate processing parameters. Client side or third party applications can be created to enable instant management of processing using XML-tickets.
- **Metadata Transferring**
The structure of XML tickets (tools for instant management of processing) allows users to include a special field for user data. With it, document metadata can be transmitted along with processing results for further handling by backend systems (CMS, DMS, ERP and more).