

Quick Modules + AI



FAIRFAXSOFTWARE

Unparalleled in flexibility, accuracy, and productivity, numerous Fortune 500 companies and public organizations have made *Quick Modules* their go-to solution, processing millions of transactions daily from a variety of content types, including documents, checks, fax messages, and electronic files. Adding AI (to automate processes) and RPA (to build bots to do mundane and repetitive work) is a natural extension of our suite of tools to embrace the growing complexity of information funneled through any organization.

Capture forms the cornerstone of effective information management

Starting on the right foot is crucial in any endeavor, and this rings particularly true in information management. Ensuring success from the outset involves capturing the correct information right from the beginning. This foundational step lays the groundwork for effective organization, analysis, and utilization of data. By prioritizing accurate and relevant data capture, businesses can streamline processes, make informed decisions, and ultimately drive toward their goals with confidence.

Capture is a nuanced process, not universally applicable. Varied enterprises possess distinct requirements that shape their primary concerns. Among these, the top three value features encompass:



Batch Capture: Handles the scanning of extensive document stacks and/or the ingestion of electronic images from diverse sources, including email, PDF, and fax servers.



Automated Document Classification & Data Extraction: The solution efficiently sorts and indexes documents through sophisticated auto-classification methods, extracting data from fields with precision.



Robust Enterprise Capability: Empowers both IT and business stakeholders to seamlessly manage and ingest content from any location, at any time, while maintaining complete control over access.

Organizations need to identify the features that align best with their existing solutions to ensure they acquire a product that fulfills their unique requirements effectively and efficiently.

Unstructured Data and Documents

Structured Data



* (IDP) Intelligent Data/Document Processing

The most advanced and effective content processing

Versatility: Handles any document without pre-sorting using one common process workflow. Using Virtual Batching capabilities, you are not required to separate checks, forms, or other documents into different workflows.

Recognition: Accurately recognizes data on complex documents such as tax forms, labor wage reports, invoices, claims reports, coupons, order forms and enrollment forms independent of the data's location on the document.

Configuration: Allows system designers to easily and graphically define systems components, set up new forms, design new transaction compositions, process data and analyze results.



Productivity: Boast high Return on Investment (ROI) due to automated recognition accuracy, ease of use, application of common business rules, one system for all processing needs, dashboard display, and one common workflow for all processing needs.

Accuracy: Automated processes and revolutionary user interfaces with Artificial Intelligence (AI) minimize errors and maximize productivity. Image-guided logical edits during automatic data capture, key correction, and quality control add to ensure data reliability.

Flexible: Open to accommodate user customization throughout the workflow and can be scaled to meet complex demands, from a single user to workgroup to enterprise levels.

Intelligent Data/Document (IDP) Workflow



Taking Information Processing to New Heights

Fairfax Software has transformed information processing with its innovative *Quick Modules* intelligent document processing system for achieving unparalleled flexibility, accuracy, and productivity. *Quick Modules* is a powerful automation processing solution offering a common architecture across the enterprise.

Since 1994, *Quick Modules* has been the preferred system for numerous Fortune 500 companies and government agencies. The system has been highly effective in processing billions of transactions sourced from various content types, such as documents, checks, fax messages, electronic files, and others.

Incoming content is identified as it is received. The system accurately classifies and captures data, regardless of the order it enters the workflow. Similar work types are grouped together electronically.

Quick Modules solution automates the process of sorting through business documents. It uses Artificial Intelligence (AI), deep learning, and low code tools to accurately extract information. *Quick Modules* provides a more efficient way to handle large volumes of unstructured data, improving data accuracy and saving time. The solution is designed to offer companies and government agencies the ability to automate workflows with valuable data, enabling them to optimize all document processing.

Quick Modules also leverages Robotic Process Automation (RPA) to develop process bots that mimic human behavior on digital platforms. These bots are programmed to execute systematized actions based on projects and processes. They excel at handling repetitive and mundane tasks. With their minimal error efficiency, and ability to process vast amounts of data, these bots can function continuously.



“...Artificial Intelligence and Robotic Processes Automation allows *Quick Modules* to learn from experience, adjust new inputs, and perform human-like tasks.”



Intelligent Workflow: *Quick Modules* collects content in any format and from any source and uses its intelligent workflow to route the work to the appropriate queues for processing. Dashboard displays provide a complete overview of the workflow in real-time.



Configurable: *Quick Modules* is completely configurable to address the needs of the client. A powerful point-and-click administrative tool called *Quick Modules Studio* allows clients to fully support and configure the solution.



Library of Business Rules: Achieving high-quality and accurate data collection is simple when you apply business rules to each step of the process. With *Quick Modules Studio*, our point-and-click setup tool, this can be easily accomplished.



Flexible and Versatile: The solution offered by *Quick Modules* is fully integrated, open to use customization, and can be scaled to meet the requirements of various levels of complexity. This includes everything from a single user, to a workgroup of enterprise levels, ensuring that all needs are met.



Artificial Intelligence: *Quick Modules* uses AI, deep learning, and low code tools for document classification to accurately extract information, reducing the need for manual labor.



RPA Capacity: *Quick Modules* utilizes Robotic Process Automation (RPA) to create bots that mimic human behavior on digital platforms. These bots are designed to perform repetitive and mundane tasks, freeing up valuable human resources for more critical work. With their efficiency, minimal errors, and 24/7/365 functionality, they can process vast amounts of data.



Feedback Loop: Provides a facility for the *Quick Modules* platform to learn new forms on the fly by allowing the system to route any form type not identified within the system to an operator to assign it to the system's library for future processing.



IDP with AI provides the platform to process content regardless of the use case

As a provider of IDP technology, Fairfax Software has taken the opportunity to leverage Artificial Intelligence (AI) to automate recognition, extraction and data use that was previously responsible by human intervention.

To maximize how resources are utilized AI has become the means to achieve greater efficiencies. Applying AI to intelligent document processing (IDP) has become the way to realize results that were previously not possible. AI provides an infusion of new data that renders greater data accuracy for downstream processes.





IDP with AI Benefits:

- Highest levels of OCR recognition
- Classify documents to streamline downstream processes
- Extract accurate data in varying formats

For this reason, IDP with AI is not tied to a specific use case, but rather a technology to implement across processes needing a more complete data experience. IDP with AI achieves significant improved Optical Character Recognition (OCR) rates, enhanced document classification and handles extracting data in varying formats where the location of the data on the form is "floating". These capabilities extend IDP's ability to capture data that was previously not possible.

AI's ability to extract semi-structured and unstructured data enable IDP solutions to drive more accurate and complete datasets for systems of record. The accuracy of the data, regardless of the content, whether handwritten, small fonts or poor-image quality has opened up opportunities to process documents previously left behind. IDP with AI has opened up opportunities to process documents that were physically archived by creating valuable digital records for historical purposes. With better field recognition results extracting vital data has never been more accurate.





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