



FormXtra.AI™ Capture

Enterprise Intelligent Document Processing driven by data science and powered by machine learning.

FormXtra.AI Capture is the only intelligent capture system that configures and learns by itself—able to optimize and adapt for all your document-based information, even unstructured handwriting.

This high-performance intelligent capture system significantly reduces the complexity and costs associated with document-based tasks such as document classification, separation and data entry through Smart Learning, a system that automatically configures and learns by itself in order to improve performance.

Maintaining ongoing system performance in dynamic production environments becomes effortless because FormXtra.AI Capture adapts to new dynamic streams of documents in the background while documents are processed.

FormXtra.AI™ Capture delivers critical information into business processes faster and with greater accuracy for increased productivity and lower costs.

In this era of advanced machine learning, Intelligent Capture software hasn't delivered on "intelligent." Enterprises need comprehensiveness combined with precision to truly free themselves of complex document-oriented tasks. Unfortunately, complex configuration and tuning has organizations stuck in the last century. **Until now.** Using Smart Learning, which combines data science with machine learning, FormXtra.AI Capture automatically configures itself with no supervision and adapts to the most dynamic document streams. It simultaneously measures and improves performance in the background learning what data can run straight through with no user intervention, automatically ensuring your data quality. FormXtra.AI Capture puts "**intelligent**" in your document automation.



Dynamic Document Classification

Using a variety of deep learning neural networks, FormXtra.AI Capture determines document types dynamically without the need for rules, barcodes or separator pages. Including multiple classifiers that work independently on text and visual elements (with no OCR required), FormXtra.AI Capture uses every bit of available information to intelligently identify documents and detect document boundaries without the need to manually create rules.



Any and All Data Types

FormXtra.AI Capture locates any information on the page. This includes text, all types of handwriting including paragraphs, logos, table data and signatures or other "script." Also, it supports standard data such as OMR and 1D/2D barcodes.



Mixed Document Capture

FormXtra.AI Capture doesn't need separate configurations to manage mixed document streams that include structured, semi-structured and unstructured information. Even documents that mix structured and unstructured data can be processed simultaneously.



Expansive Document Type Support

Process any type of document, including forms, invoices, remittances, mail and document images that do not match a pre-defined template. Smart Learning ensures that you achieve high levels of automation regardless of document layout.

FormXtra.AI™ Capture Capabilities



Advanced Data Validation Workflows

Offers Superior Accuracy & Security for Processing Sensitive Data

Ensure your data accuracy requirements are always met. Using field-level confidence scores, create document-centric and field-centric validation workflows, set validation rules ranging from basic single user verification to advanced double-blind verifications or use sample-based audits post-verification. FormXtra.AI Capture also supports transactional validation to enable a single field, or snippet in question to be sent for verification, ensuring the privacy of sensitive information such as social security numbers.



Dynamic Signature Verification

Locates and Verifies Signatures

Locate signatures on documents and classify or verify them against a reference signature database. Extract these signatures for creation of a signature database (e.g., on account applications). FormXtra.AI Capture supports legal, mortgage, healthcare, vote-by-mail and other compliance-based applications such as Know Your Customer (KYC).



Unstructured Handwriting Extraction

Handles any Handwritten Information Scenario

Parse documents and locate any type of handwriting, even handwritten keywords that are not in a structured format. (This includes expressive or transactional phrases such as "change of address.") FormXtra.AI Capture also locates comments in margins and notes to help classify documents and extract data, regardless of type. Transcribe blocks of handwriting such as comments fields.



Integrated Check Recognition

Provides Receivables and Remittance Processing

Process checks within a stream of other documents or embedded within documents, supporting applications that include receivables processing and associated remittance processing. The software combines Parascript's world-class check recognition engines to increase accuracy in batch and ad-hoc capture.



Integrated Address Location and Recognition

Inbound Mail and Document Processing

Automatically locate addresses on envelopes and anywhere within documents to support routing and data verification look-ups. Address data can be validated against other documents such as purchase orders, invoices or remittances.

FormXtra.AI™ Capture Capabilities

Streamlined Functionality

On-Premise or Cloud

True N-Tier Web-based intelligent capture application supports both on-premise and cloud implementations.

Web Reporting

View real-time statistics on batch processing flow and operator tasks from capture to recognition and validation in the Web console.

Automated Configuration

Use tagged sample data to automatically configure and optimize your own custom automation routines. And once in production, continue to refine and adapt using Smart Learning.

Highly-portable Configurations

All trained models are stored as portable files complete with business logic. Easily train models and reuse them with workflows that have similar requirements. Create applications and enable flexible, portable business workflows without relying on external applications.

Thin Client for Administration and Data Verification

Offers Thin Client UIs for administering the solution and data verification workflows. FormXtra.AI Capture administration and support of data verification workflows are very similar to SaaS applications. Users login to a single URL and have access to capabilities depending on their roles. Administration duties can be shared with verification capabilities to simplify cloud-based deployments.

Input and Output Versatility

Provides REST-based APIs for importing, managing workflows, data validation, exporting documents and exporting data. The APIs enable integration with other systems in a "loosely coupled" manner. Output data to SharePoint and to databases through common file formats.

Scalability

Supports full high availability through both horizontal and vertical scaling using active or passive clusters. Easily supports small and enterprise needs including "NO SQL" to large, multiple SQL Server database implementations.

FormXtra.AI™ Capture Machine Learning

- **Smart document classifiers** support every document type from text-heavy documents to documents with pictures.
- **Smart variance detection** enables grouping like-documents in order to streamline data location and extraction.
- **Smart document analysis** enables creation of data element location hypotheses to cover a broad range of document types.
- **Smart measurement** analyzes results and refines the extraction model presenting improvement options to admin roles.
- **Single solution** for machine and handwriting without complex rules or add-ons. Achieve all types of forms processing within the same user application leveraging machine learning.

Technical Product Specifications

Included Software Components

- Form Definition Studio
- Scanner Interface Application
- Vocabularies and Postal Database
- Web Application

Requirements

- FormXtra.AI Server: Dual-core 3GHZ or higher, 4GB RAM (8GB recommended), Windows Server 2014, 2016 or higher, IIS
- Use 64-bit OSs for high performance systems. 1GB disk space for application
- Form Definition Studio: Windows 10
- Scanner Capture: Windows 10
- Administration and Validation Clients: Windows 7 or 8, IE11, Chrome 35 & up

APIs

- .NET and REST Services

Input

- Image Format: B&W or grayscale TIFF, JPEG, PNG, and PDF
- Image Resolution: 200-300 DPI

Output

- ASCII text file (raw or formatted), PDF, XML (raw), SharePoint 2010 Standard or Enterprise, RDBMS via ODBC

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