FormXtra.AI Capture processes high volumes of documents faster, using fewer people with less errors.

Parascript® FormXtra.AI® Capture

FormXtra.AI Capture is an easy-to-use document classification, data location, extraction and validation solution. This high performance advanced capture system significantly reduces the complexity and costs associated with document classification and data extraction through Smart Learning, a system that automatically configures rules 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.

FormXtra.AI Capture is document automation software built for enterprises that need both flexibility and capability in one easy-to-use solution with a user-friendly interface. FormXtra.AI Capture supports high-volume, complex document processing needs and delivers flexibility for processing rules and workflows. FormXtra.AI Capture automatically configures itself and adapts to the most dynamic document streams. In addition, it simultaneously measures and improves performance in the background. It learns what data is able to run straight-through with no user intervention and maintains better than human-level precision. It monitors and collects background data from operations to measure and improve performance with no change to existing workflows. FormXtra.AI Capture eliminates the necessity of manual efforts to configure and optimize the system.

Dynamic Document Classification
FormXtra.AI Capture determines document types dynamically without the need for rules, barcodes or separator pages. Automated classification includes multiple classifiers that work independently on text and visual elements to provide the highest level of accuracy. Document classification also includes an automated document separator that intelligently identifies document boundaries.

Any & All Data Types
FormXtra.AI Capture locates any information on the page. This includes text, handwriting, 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 improves workflow flexibility. It locates fixed or dynamic fields on a page or within a document with the same document class. This improves workflow flexibility and reduces the number of defined and managed batch types.

Expansive Location & Extraction
FormXtra.AI Capture locates and processes all types of fields in any location in a document. Process any type of document, including forms, invoices, remittances, mail and document images that do not match a pre-defined template. FormXtra.AI Capture assesses field relationships to locate data for extraction and finds complex field types to improve the range of data to be processed.
**Parascript® FormXtra® Capture Benefits**

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| **Advanced Data Validation Workflows**      | Offers Superior Security for Processing Sensitive Data
Create document-centric and field-centric validation workflows, set validation rules ranging from basic single user verification to advanced double blind verifications and even third-party audits post-verification. FormXtra.AI Capture can perform 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. Also, improves efficiency by eliminating scanning and supporting an operator’s ability to become accustomed to specific data formats, which speeds throughput. |
| **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). Supports legal, mortgage, healthcare, vote by mail and other compliance-based applications, such as Know Your Customer (KYC). |
| **Unstructured Handwriting Extraction**      | Automatically Locates Handwritten Keywords
Locate handwritten keywords that are not in a structured format (This includes expressive or transactional phrases such as “change of address.”) Also locate comments in margins and notes to help classify documents and extract data, regardless of type. |
| **Integrated Check Recognition**             | Provides Receivables and Remittance Processing
Process checks within a stream of other 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 the addresses on the envelope and anywhere within the documents for routing. Address data can be validated against other documents such as purchase orders, invoices or remittances. Parascript’s high accuracy address recognition engine increases accuracy in batch and ad-hoc capture. |
Parascript® FormXtra® Capture Benefits

Streamlined Functionality

- **On-premise or Cloud**
  True N-Tier Web-based advanced 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.

- **Fine-tune Data**
  View results of classification and recognition, set confidence thresholds, compare against truth data and see immediate results.

- **Form Definition Business Rules with API Access**
  Create applications and enable flexible, portable business workflows without relying on external applications by accessing the FormXtra.AI API from within the form definition itself.

**Thin Client for Administration and Data Verification**

Thin Client UIs for administering the solution and data verification workflows. FormXtra.AI Capture administration and support of data verification workflows, similar to SaaS applications. Users log-in to a single URL and have access to capabilities depending upon 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.

API enables 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 both 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 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 2012 or 2014, IIS.

APIs
- .NET and REST Services

Input
- Image Format: Black-and-white 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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