



Reliability

Process



AUTOMATION

Productivity

Parascript® FormXtra.AI SDK

FormXtra.AI SDK is an easy-to-use document classification, data location and extraction solution for systems integrators and software vendors. It provides automated classification and locates and extracts any type of information in the document including machine print, table data, images such as logos, signatures and all forms of handwriting—constrained and unconstrained handprint and cursive. This high performance SDK is a self-learning system that automatically configures rules and learns by itself in order to improve performance. Maintaining ongoing system performance in dynamic production environments becomes straightforward since FormXtra.AI SDK adapts to changing streams of documents in the background while documents are processed. Parascript document automation solutions currently process more than 100 billion documents per year.

FormXtra.AI SDK provides the core capture automation at some of the largest document automation implementations in the world. FormXtra.AI SDK processes high volumes of documents faster, using less people with fewer errors.

Document Automation for Classification, Data Location, Extraction & Validation

FormXtra.AI SDK offers document processing automation built for enterprises that have high-volume, complex document processing needs. This self-learning SDK has built-in check recognition, address recognition and signature verification while delivering flexibility for processing rules and workflows. The .NET API provides unprecedented control over form processing definitions, routines and output. FormXtra.AI SDK includes web service capabilities that enable mobile capture, distributed scanning and remote desktop capture applications. It can process any type of document, including checks, account applications, receipts, invoices and remittances. FormXtra.AI SDK's smart-learning system monitors and collects background data from operations and uses it to measure and improve performance with no change to existing workflows. By working in the background, this self-learning SDK completely eliminates manual tasks required to configure or optimize the system.



Dynamic Document Classification

Expands processing functionality for wide range of data types

FormXtra.AI SDK determines document types dynamically using highly sophisticated and flexible algorithms. With FormXtra.AI, it is no longer necessary to specify certain locations or areas of a document to perform classification. Different methods of classification enable highly accurate document matching. Methods include image-based comparison, region of interest location and keyword analysis.



Any and All Data Types

Locates any information on the page

FormXtra.AI SDK locates any information in the document that you need for your business systems. This includes text, handwriting, logos, table data and signatures or other "script." Our SDK supports standard data such as OMR and 1D/2D barcodes.



Mixed Document Capture

Improves workflow flexibility and reduces unnecessary complexity

FormXtra.AI SDK 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 Recognition & Data Extraction

Locates and processes all types of fields in any location in a document

FormXtra.AI SDK processes any type of document, including forms, invoices, remittances, mail and document images that do not match a pre-defined template. FormXtra.AI assesses field relationships to aid with the location of data for extraction and locates complex field types to improve the range of data that can be processed.

Parascript® FormXtra.AI SDK Benefits



Complete API Access



Extendable API

Embed FormXtra.AI with a highly flexible .NET API and extend with .NET-based scripting to provide advanced, granular control.

Automated Form Definition Business Rules

Create applications and enable flexible, portable business workflows using FormXtra.AI SDK without relying on external applications by accessing the API from within the form definition.

Pre-Defined Form Modules



Rapid & Easy Deployment

Accelerate deployment time with optional, pre-defined out-of-the-box form modules.

Available Modules

These include health claim, invoice, receipt and check data location, extraction and verification.

Dynamic Signature Matching



Locates, Verifies & Matches Signatures

Locate signatures on documents and classifies or verifies them against a reference signature database.

Extracts 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 (including expressive or transactional phrases such as "change of address") and comments in margins and notes to help classify documents and extract data, regardless of type.

Parascript® FormXtra.AI SDK Benefits



Integrated Check Recognition



Receivables & Remittance Processing

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

Integrated Address Location and Recognition



Inbound Mail and Document Automation

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 data quality.

Web Service



Web Service

Automatically processes incoming image streams for document classes and returns results over a SOAP-compatible communication protocol. FormXtra.AI SDK is also available as a REST Web Service.

Streamlined Functionality

Delivers GUI for Real-time Results

Benefit from using the streamlined user-friendly interface and built-in testing to manage complex workflows, performance monitoring and automation, eliminating investment in multiple capture products.

Simplified Analysis

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

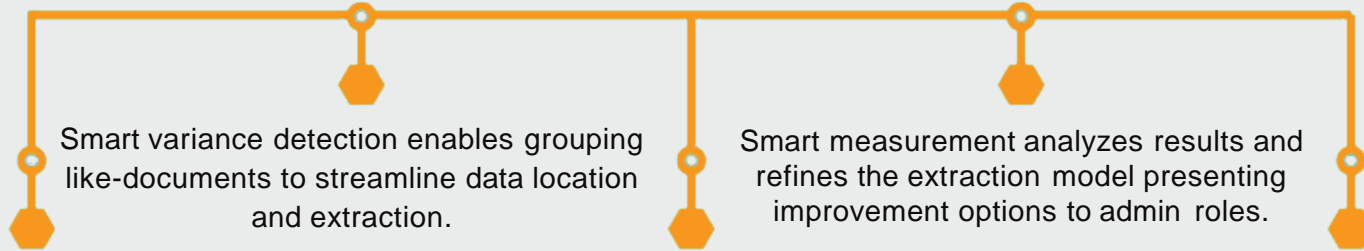
Fine-tune Data

View results of classification and recognition, set confidence thresholds, compare against truth data and see immediate results prior to production

Form Definition Business Rules with API Access

Create applications and enable flexible, portable business workflows by accessing the FormXtra API from within the form definition.

FormXtra.AI SDK Machine Learning



Multiple document classifiers support every document type from text-heavy to documents with pictures.

Smart document analysis enables creation of data element location hypotheses to cover a broad range of document types.

Single solution for machine and handwriting without complex rules or add-ons. Achieve all types of form processing within the same user application leveraging machine learning.

FormXtra.AI Technical Product Specifications

Included Software Components

- Form Definition Studio
- Scanner Interface Application
- Vocabularies and Postal Database
- .NET API
- REST and SOAP Web Services
- Folder Watcher
- Reco.exe
comandline import

APIs

- C++, .NET

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

Parascript Software Platform

- FormXtra.AI SDK is one of the many solutions within the Parascript software platform

Contact us today at **888.225.0169** or
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