



FormXtra®

Development Platform for Document Location, Extraction, & Validation



Parascript® *FormXtra*®

FormXtra is an easy-to-use, standalone solution for document classification, document separation, data extraction, and validation. It locates, extracts, and validates 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. The solution has built-in capabilities to process many different document types, including invoices and remittances, receipts, health forms, and checks in either fixed or variable formats. This comprehensive solution increases productivity and reduces costs with significant savings not only from ongoing use, but also during implementation, maintenance, and upgrades. It is an enterprise-grade solution that is scalable to support, small, medium, and high-volume, complex processing needs for any size business. *FormXtra* offers a highly customizable API, as well as optional web service capabilities.

FormXtra provides the core document processing in-use at some of the largest capture implementations in the world.

Single Development Platform for Data Location, Extraction, & Validation

FormXtra is a document processing development platform built for businesses that need both flexibility and capability in an easy-to-use and all inclusive software solution. It supports high-volume, complex document processing needs, has built-in check recognition, address recognition, and signature verification and delivers flexibility for processing rules and workflows. The .NET API provides unprecedented control over forms processing definitions, routines and output. *FormXtra* includes optional web service capabilities that enable mobile capture, distributed scanning and remote desktop capture applications. Users have a single and flexible recognition platform that can process many types of business and office documents, including checks, account applications, receipts, invoices, and remittances.

Dynamic Document Classification

- **Expands processing functionality for range of data types** - Determine document types using more sophisticated and flexible rules, rather than establishing specific 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, or keyword analysis.

Any and All Data Types

- **Locates any information on the page** - including text, handwriting, logos, table data, and signatures or other “script”. Also supports standard data such as OMR and 1D/2D barcodes.

Mixed Document Capture

- **Improves workflow flexibility** - Locate 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 and Extraction

- **Locates and processes all types of fields in any location in a document** - Process structured and semi-structured documents and images that do not match a pre-defined template, such as scaled-down faxes and tables. *FormXtra* assesses field relationships to aid with location of data for extraction and locates complex field types, to improve the range of data that can be processed.

Complete API Access

- **Extendable API** - Deeply embed *FormXtra* with a highly flexible .NET API, and extend with .NET-based scripting to provide advanced, granular control.
- **Form Definition Business Rules** - Create applications and enable flexible, portable business workflows within *FormXtra* without relying on external applications by accessing the *FormXtra* API from within the form definition.

Pre-Defined Form Modules

- **Fast and Easy Deployment** - Accelerate deployment time with optional, pre-defined form modules. Current modules include health claims, invoice and check processing.

Dynamic Signature Location, Verification, and Matching

- **Locates and verifies signatures** - Locate signatures on documents and classifies or verifies them against a reference signature database.
- **Extracts signatures** for creation of a signature database (i.e. on account applications).
- **Supports legal, mortgage, healthcare, vote by mail** and other compliance-based applications, such as KYC – Know Your Customer.

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, notes, etc. to help classify documents and extract data, regardless of type.

Integrated Check Recognition

- **Receivables and remittance processing** - Process checks within a stream of other documents, supporting applications that includes 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 world-class address recognition engine increases accuracy in batch and ad-hoc capture.

Web Service

- **Optional Web Service** - Automatically processes incoming image streams for document classes stored in *FormXtra* and return results over a SOAP-compatible communication protocol. Also, *FormXtra* is available as a REST Web service.

Streamlined Functionality

- **Delivers graphical user interface for real-time testing and 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.

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

Input

- **Image Format:** Black-and-white or gray scale TIFF, JPEG, PNG, and PDF
- **Image Resolution:** 200-300 DPI

Output

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

Parascript Software Platform

- *FormXtra* SDK is one of the many solutions within the Parascript software platform.
- For more information, visit our website at parascript.com or call us at 888.225.0169



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