IDA – Intelligent Document Analysis

Highest Quality Data Capture, Extraction and Understanding

PLANET AI's Intelligent Document Analysis software suite (IDA) offers comprehensive capabilities for customers with the common desire for short time-to-value automation and high-quality data capture, extraction, and understanding.

WHAT MAKES IDA UNIQUE?

Market-leading OCR accuracy

- The benchmark shows: IDA offers market-leading OCR quality for handwriting and outperforms the common commercial and open-source providers.

Highest accuracy for classification

- For the most challenging document scenarios by analyzing textual and visual features.
- > 80 % reduction in time spent on manual corrections.

Short time to value

- IDA is based on machine learning, not on pre-defined rules
- > 91 % out-of-the-box automation rate

Deployment on-premises

- To ensure compliance with privacy or security regulations
- Optimized for CPU and GPU usage

FEATURES

Each IDA feature is entirely machine learning-based and does not rely on comprehensive rule books. Thanks to the modular approach, all features can be licensed individually based on your use case.

IDA Recognition is the core feature for data capture in the IDA suite and delivers OCR and ICR results with exceptional accuracy despite scenarios like distorted, poor-quality scans with machine-print and difficult-to-read handwriting.
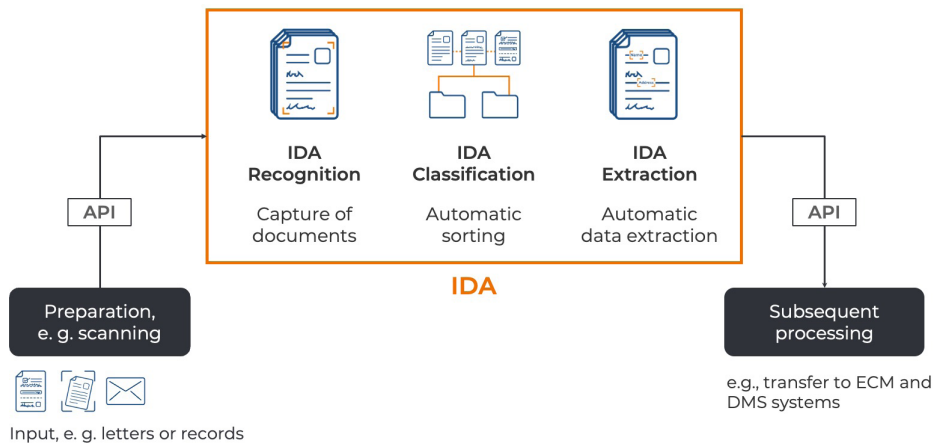
IDA Classification analyzes both textual and visual features of documents. The rule-free, few-shot learning approach dramatically accelerates the setup and maintenance of workflows, in contrast to rule-based or manual approaches.

IDA Extraction provides advanced information retrieval for structured and unstructured documents. Utilizing machine learning capabilities like few-shot learning and large language models (LLM), it enables accurate capture of data points within documents. This significantly reduces the need for manual labor.

This figure demonstrates how IDA can be integrated into a document workflow:

The add-on **IDA Search** significantly enhances the accessibility of historical documents by providing deep searchability of archives, leveraging the power of PLANET AI's patented and internationally awarded core technology.

USE CASES

Document Indexing

▶ Goal: structure and categorize documents to facilitate information retrieval

IDA enhances the indexing process across various document types, significantly reducing expenses for manual labor, as demonstrated in this customer success story.

Forms Processing

▶ Goal: extract information from pre-defined fields for a range of subsequent enterprise operations, including document archiving, customer service and accounting

IDA excels at simplifying data capture from both semi-structured and structured documents.

OEM Integration for OCR

▶ Goal: seamlessly incorporate third-party OCR technology into a proprietary product

IDA provides a turnkey product to implement its core data capture feature (IDA Recognition), as demonstrated in this customer success story.

Records Classification

▶ Goal: systematic approach for creating and locating files (file plans)

IDA optimizes records classification with a rule-free approach based on minimal training data, as demonstrated in this customer success story.

PLANET AI is a research-driven company that develops AI applications with human-inspired cognitive capabilities, enabling customers to unlock and process information from unstructured documents, automate data capture, and achieve the most accurate results.