UiPath Document Understanding combines robotic process automation (RPA) and artificial intelligence (AI) to help you extract and interpret data from different documents and ensure end-to-end document processing. The tool works with a wide range of documents from structured to unstructured, recognizes different objects like tables, handwriting, signatures, or checkboxes, and can deal with various file formats.

Benefits

- Teach robots to understand documents using AI skills for data extraction and interpretation
- Accurate and flexible document processing
- Mitigated risk of human error
- Increased operational efficiency
- End-to-end automations of complex processes

What features are included?

**Composable Document Understanding framework**

Document Understanding provides a composable framework of drag-and-drop activities used to build end-to-end workflows in Studio. This way UiPath RPA platform enables automation of more complex and cognitive processes requiring high-volume document processing.

In addition to the native capabilities, a dynamic document understanding ecosystem offered by UiPath is complemented by the leading partner technologies extending the framework to diverse document types and business needs.

**Data extraction: from regular expressions to AI to a hybrid approach**

Extractors based on rules and intelligent templates perfectly handle documents with fixed structure, tables, handwriting, signatures, checkboxes. Pre-trained machine learning (ML) models can process less structured documents with minimal configuration time. Finally, you can combine any extractors in a hybrid approach to ensure the highest accuracy for your specific business documents.
Human validation

In the case of any inaccuracies, low confidence scores, or exceptions, robots ask for help to confirm the data. An employee receives a notification in Action Center and opens Validation Station to validate data or handle exceptions. Here you can also review all the extracted fields if needed to make sure the data is extracted accurately.

Retraining capabilities*

You can use your custom ML models or retrain the existing ML models in AI Fabric to help robots understand the specificities of your documents. The more you will work with the model, the more effective it will become. Thus, the accuracy of the extracted data will improve over time. In the upcoming release, ML models will also learn from the data confirmed or corrected in the Validation Station.

* Currently in Limited Availability

How does it work?

1. Load taxonomy
   Define files and data for extraction

2. Digitize
   Use OCR to detect text and its location

3. Classify
   Classify the documents from the specified list

4. Extract
   Extract information from the documents

5. Validate
   If needed, a human can confirm the extracted data

6. Export
   Export the extracted info for further usage

Automate document processing with intelligence, speed, and scale

Sign up for the Enterprise Cloud trial to leverage UiPath Document Understanding for your business challenges

https://www.uipath.com/start-trial