

AUTOMATION ANYWHERE IQ BOT DATASHEET



CHALLENGE

Extracting data from documents and unstructured content using traditional solutions like Optical Character Recognition (OCR) and data capture requires time-consuming setup and integration by experts. As a result, very few enterprises have been able to automate dark-data-centric processes due to high setup/operational costs.

SOLUTION

IQ Bot™ is the only AI-driven Intelligent Document Processing (IDP) solution, that can be easily set up and used to read and process a variety of complex documents automatically. By learning from human behavior, IQ Bot becomes faster and more accurate while reducing setup and operational costs.

IQ Bot brings structure to unstructured data by using Artificial Intelligence (AI) and machine learning (ML) to extract and digitize the information.

Machine learning and AI applied to everyday processes



RECOGNIZE

COMPUTER VISION

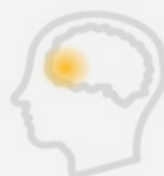
Identifies and categorizes unstructured content, allowing the bot to intelligently extract decision-making data



UNDERSTAND

NATURAL LANGUAGE PROCESSING

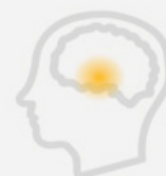
Comprehends the meaning and intent of content to improve decision making



ENRICH

FUZZY LOGIC

Conducts phonetic algorithm and fuzzy string matching against enterprise applications to validate and enrich extracted data



IMPROVE

MACHINE LEARNING

Learns by observing human behavior and develops domain expertise increasing accuracy and reducing exceptions

BENEFITS

10X FASTER SETUP

- Unsupervised classification automatically groups similar documents and auto-creates templates to cut down setup time by 90%

AI-POWERED DATA EXTRACTION

- Ensure accurate data extraction for complex, varied document formats with computer vision and other AI techniques

END-TO-END PROCESS AUTOMATION

- Seamless integration with Automation Anywhere Enterprise RPA platform results in complete automation of complex workflows

BUSINESS-USER FRIENDLY

- Get started instantly with a library of pre-trained use cases, and utilize an intuitive, web-based interface for frictionless adoption

MAXIMIZE RESULTS

- Continuously improve STP* with human-in-the-loop feedback, and leverage AI and ML capabilities to achieve ROI in days

FLEXIBLE DEPLOYMENT

- Deploy on-prem or in the cloud to suit your unique business need

*Straight Through Processing; End-to-end automation without human involvement.

KEY FEATURES

ENTERPRISE-READY

- Pre-configured, out-of-box use cases with additional ones available via Bot Store™
- Migration support through APIs
- Role-based access control

INTELLIGENT CLASSIFICATION

- Leverage ML to automatically classify and group similar documents
- Separate pages of interest from multi-page documents
- Process complex tables, including multi-lines, dual tables, and more

SMARTER DATA EXTRACTION

- Developers can modify process workflows to improve extraction with the ability to add custom logic (Python scripts)
- Extract information from handwritten text (English only) and ID documents
- Improve STP via human feedback

WEB-BASED DESIGNER AND VALIDATOR

- Train and manage IQ Bot using a web interface—no client-based software required
- Utilize split-screen comparison to validate extracted versus original data

SEAMLESS INTEGRATION

- Leverage single sign-on (SSO) integration with Enterprise RPA Control Room
- Take advantage of integrated Bot Insight™ analytics tool
- Choose from the best-in-class OCR integrations

MULTI-LANGUAGE SUPPORT

- Document processing in 190 languages
- 10 major languages supported (GUI): English, French, German, Italian, Japanese, Korean, Spanish, Portuguese, Chinese (Traditional and Simplified)

SYSTEM REQUIREMENTS

- 8-core (virtual or physical)
- 32 GB RAM
- 500 GB storage
- On-prem, cloud (public/private/hosted)

SERVER OPERATING SYSTEM

- Windows Server 2012 (Standard or Datacenter)
- Windows Server 2016 (Standard or Datacenter)
- Windows Server 2019 (Standard or Datacenter)

DATA MANAGEMENT SYSTEM

- Microsoft SQL Server 2012, 2014, 2016, 2017, 2019 (Express/Standard/Enterprise/or later)
- Microsoft Azure (RTM) 12.0.2000.8
- Amazon Relational Database Service (RDS)

DATA EXTRACTION TECHNOLOGIES

- Document classification (ML-based)
- Text auto correction (ML-based)
- Intelligent character recognition (ML-based)
- Human-assisted output validation (ML-based)
- Checkbox and radio buttons (ML-based)

AI/ML TECHNOLOGIES

- Including computer vision, deep learning, recurrent neural network, convolutional neural networks, fuzzy logic, geometric hashing, semantic analysis, and more

DOCUMENT INPUT FORMATS

- PDF (vector, raster, or hybrid), TIF/TIFF, PNG, JPG/JPEG

OPTICAL CHARACTER RECOGNITION ENGINES

- Tesseract 4, FineReader Engine 12.2, Microsoft Azure OCR, Google Vision

DOCUMENT EXPORT FORMATS

- CSV
- Additional formats via RPA TaskBot (JSON, Excel, Word, text, and more)

DOCUMENT PROCESSING CAPACITY

- Up to 25K pages/day*
- *Depends on server configuration and document complexity

BROWSER SUPPORT

- Chrome version 69+, Internet Explorer 11

About Automation Anywhere

Automation Anywhere empowers people whose ideas, thought and focus make the companies they work for great. We deliver the world's most sophisticated Digital Workforce platform making work more human by automating business processes and liberating people.

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