

# AUTOMATION ANYWHERE IQ BOT DATASHEET



## CHALLENGE

Extracting data from documents and unstructured content (“dark data”), 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 taking a very different approach—democratizing dark data processing. IQ Bot is the only solution that can be easily set up and used by business users to automatically read and process a variety of complex documents and emails, faster. By learning from human behavior, IQ Bot becomes faster and more accurate while reducing setup and operational costs.

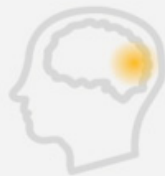
IQ Bot brings structure to unstructured data by using Artificial Intelligence (AI) and machine learning (ML) to extract and digitize the information.

### Machine learning and AI applied to everyday processes



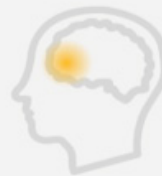
#### RECOGNIZE COMPUTER VISION

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



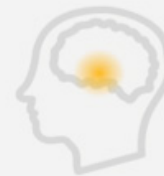
#### UNDERSTAND NATURAL LANGUAGE PROCESSING

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%

### INCREASED DATA ACCURACY

- Latest computer vision techniques and fuzzy logic ensure extracted data is correct, even for low resolution documents

### END-TO-END PROCESS AUTOMATION

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

### BUSINESS-USER FRIENDLY

- Users can leverage AI and ML to achieve ROI in days, not months

### CONTINUOUS STP IMPROVEMENT

- Human-in-the-loop feedback continuously improves STP\* and drives down validation costs

### EMPOWERS MOBILE WORKFORCE

- Upload and process documents via Automation Anywhere Mobile app for enhanced productivity

\*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™
- Ability to create custom document types
- Integration with Automation Anywhere Mobile

### ADVANCED DOCUMENT CLASSIFICATION AND PROCESSING

- Identify and separate pages of interest from multi-page documents
- Detect and extract checkboxes and radio buttons
- Process complex tables (multi-lines, dual tables/sections, multi-page)
- Detect handwriting and signatures

### SMARTER DATA EXTRACTION

- Process low quality documents using advanced computer vision
- Leverage ML to automatically classify and group similar documents
- Identify and extract fields automatically without user intervention or programming
- Improve STP via human feedback using supervised learning

### WEB-BASED DESIGNER AND VALIDATOR

- Train and manage IQ Bot using the web interface—no client-based software required
- Compare side-by-side extracted vs. original data

### INTEGRATION WITH DIGITAL WORKFORCE

- Leverage Single Sign-On (SSO) integration with Enterprise RPA Control Room for user management, roles, and permissions
- Take advantage of integrated Bot Insight™ analytics tool

### MULTI-LANGUAGE SUPPORT

- Document processing in 190 languages
- 8 major language support (GUI): English, French, German, Japanese, Korean, Spanish, Chinese (Traditional and Simplified)

### SYSTEM REQUIREMENTS (MINIMUM)

- Quad-Core (virtual or physical)
- 16 GB RAM
- 200 GB storage
- On-prem, private, public cloud

### SERVER OPERATING SYSTEM

- Windows Server 2008 R2 Standard
- Windows Server 2012 (Standard or Datacenter)

### DATA MANAGEMENT SYSTEM

- Microsoft SQL Server 2012, 2014, 2016, 2017 (Express/Standard/Enterprise/or later)
- Oracle

### DATA EXTRACTION TECHNOLOGIES

- Document classification (ML-based)
- Text recognition (ML-based)
- Intelligent character recognition (ML-based)
- Human-assisted output validation (ML-based)
- Check box and radio buttons (ML-based)

### AI/ML TECHNOLOGIES

- Including Computer Vision, 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
- ABBYY

### DOCUMENT EXPORT FORMATS

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

### DOCUMENT PROCESSING CAPACITY

- Up to 10K pages/day\*
  - Up to 50K pages/day (clustered)
- \*Depends on server configuration and document complexity

### BROWSER SUPPORT

- Chrome Version 69+ and 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.

Automation Anywhere  [www.automationanywhere.com](http://www.automationanywhere.com)

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