AUTOMATION ANYWHERE
IQ BOT DATASHEET

AUTOMATION **ANYWHERE**®
Go be great.

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 AI-based 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

- Ensure accurate data extraction for low resolution and handwritten documents with computer vision techniques and fuzzy logic

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 support extraction of complex, fixed format documents used across the industry [e.g., UB-04 and Acord-25]
- Role-based access control

INTELLIGENT CLASSIFICATION

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

SMARTER DATA EXTRACTION

- Process low quality documents using advanced computer vision
- Extract handwritten text (English only) and critical information from 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
- Split screen to validate extracted versus original data
- Enhance data extraction with the ability to add custom user logic

SEAMLESS INTEGRATION

- Leverage Single Sign-On (SSO) integration with Enterprise RPA Control Room for optimized user management
- 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 language support (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, private, public cloud

SERVER OPERATING SYSTEM

- Windows Server 2008 R2 Standard
- Windows Server 2012 (Standard or Datacenter)
- Windows Server 2016 (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

DATA EXTRACTION TECHNOLOGIES

- Document classification (ML-based)
- Text Auto Correction (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, 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

DOCUMENT EXPORT FORMATS

- CSV
- Additional formats via RPA TaskBot (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+, Internet Explorer 11

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