



**PAIGE**

# Advanced Document Intelligence

Transform your front-end document capture with AI

The next generation in intelligent document processing, designed for enterprise organizations with sophisticated document workflow needs.



# Intelligent Front-End Capture

From paper to actionable digital data in seconds

PAIGE is an AI-powered front-end document capture system that eliminates manual data entry while enhancing accuracy. Our solution transforms how organizations handle information from the moment of capture—before it enters your document management system.

**100K+**

Pages per  
minute

**99.8%**

Extraction  
accuracy

**90%**

Less manual  
processing



## The Paper Problem

Despite ongoing digital transformation initiatives, paper documents continue to flood organizations through mail, in-person submissions, and fax. Converting these physical documents into structured, actionable digital information has traditionally been labor-intensive, error-prone, and inefficient.



### Processing Bottlenecks

Traditional document intake requires staff to physically handle, sort, and manually key information from paper documents—creating delays in critical business processes and increasing operational costs.



### Error-Prone Data Entry

Manual data entry introduces errors at rates of 1-4%, leading to costly mistakes, compliance issues, and poor customer experiences that damage your business reputation.



### Inefficient Classification

Manually sorting and routing documents based on content is time-consuming and inconsistent, creating workflow bottlenecks when documents aren't directed to the right departments promptly.



### Limited Data Extraction

Standard OCR tools struggle with unstructured documents, handwritten notes, and non-standard layouts—leaving valuable information trapped in documents and inaccessible for business intelligence.

## Trusted by Industry Leaders





## PAIGE Technology Platform

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### Beyond Traditional Document Processing

While conventional scanning solutions rely on structured layouts and specific text locations, PAIGE employs advanced AI to understand content the way a human expert would.

Our solution examines documents holistically—interpreting context, detecting sentiments, identifying fraud patterns, and extracting insights from both textual and visual content that legacy systems simply cannot process.



Deep Learning



Computer Vision



Advanced Analytics



Natural Language

## Core Technology Components



### Advanced AI Understanding

Unlike traditional OCR systems that rely on fixed templates, PAIGE comprehends documents contextually, extracting meaning from both structured and unstructured text while recognizing sentiments and detecting anomalies.



### Multi-Channel Capture

PAIGE captures documents from any source—scanners, mobile devices, email attachments, or network folders—creating a unified processing pipeline regardless of document origin.



### Cloud-Native Architecture

Built on scalable cloud infrastructure, PAIGE automatically adjusts to processing demand—from hundreds to hundreds of thousands of pages—without manual intervention or hardware concerns.



### Visual Intelligence

Extract valuable data from non-text content including photographs, diagrams, and charts. PAIGE can analyze property images, interpret graphs, and catalog visual assets without traditional OCR limitations.



### Workflow Automation

Automatically route documents based on content, urgency, and business rules. PAIGE adapts workflows to document context, sentiment, and detected anomalies without rigid rule configurations.



### Universal Integration

Connect PAIGE with your existing document management systems, ERPs, CRMs, and line-of-business applications through secure APIs and pre-built connectors for seamless information flow.

## PAIGE Document Intelligence Workflow





## Advanced Capabilities

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### 1 Unstructured Document Processing

Process completely unstructured documents with the same precision as templated forms. PAIGE understands context and relationships between information without requiring predefined zones, extracting data from free-form text, handwritten notes, and variable layouts.

### 2 Visual Data Analysis

Extract information from photos, diagrams, and charts without any text. PAIGE can analyze property photos, interpret graphs, and catalog visual assets automatically—providing structured data from sources that legacy OCR systems cannot process.

### 3 Sentiment & Intent Recognition

Identify customer sentiment in correspondence and automatically prioritize or route based on urgency, emotion, and request type. PAIGE can distinguish between routine inquiries and urgent matters, ensuring critical communications receive immediate attention.

### 4 Fraud & Anomaly Detection

Automatically flag suspicious documents by detecting inconsistencies, altered information, or unusual patterns that would evade traditional systems. PAIGE's AI looks beyond text to identify potential fraud indicators and compliance issues.

### 5 Intelligent Document Classification

Automatically categorize documents based on content, layout, and purpose—without predefined templates. PAIGE can distinguish between invoices, contracts, applications, and correspondence even when formats vary significantly.

### 6 Contextual Data Validation

Verify extracted information against business rules, existing databases, and expected values. PAIGE understands data relationships, flagging inconsistencies that simple validation rules would miss and dramatically reducing error rates.



## PAIGE vs. Traditional Solutions

Capability	Legacy Capture Tools	PAIGE
Document Understanding	Template-based, requires predefined zones and rules for each document type	Context-aware AI understands document meaning without templates, adapting to new formats automatically
Processing Unstructured Data	Limited to structured formats with fixed fields in predictable positions	Processes completely unstructured documents including freeform text, variable layouts, and handwritten content
Visual Content Analysis	Text-only OCR with minimal image processing capabilities	Full visual content understanding—analyzes photos, diagrams, and non-text elements for meaningful data
Deployment Model	Complex on-premise installations requiring significant IT resources	Flexible cloud-native architecture with zero infrastructure maintenance
Continuous Improvement	Manual retraining and template updates required for new document types	Automatic ongoing AI refinement through collective learning across all implementations

## Enterprise-Grade Scalability

PAIGE eliminates the processing bottlenecks of traditional document management systems. Our cloud-native platform automatically scales to meet demand—without human intervention or infrastructure investment—ensuring you never face processing backlogs.

**100,000**

Pages per minute

**0**

Engineer  
touchpoints

**∞**

Scalability potential



# Industry Applications

PAIGE's front-end document capture capabilities deliver transformative results across multiple industries, wherever paper and digital documents drive critical business processes.



## Financial Services

Process loan applications, account opening forms, and financial statements with unprecedented speed while automatically detecting fraud indicators.

- ✓ Process mortgage applications 75% faster with automatic data extraction from supporting documents
- ✓ Reduce loan application errors by 95% through intelligent validation
- ✓ Automatically detect potentially fraudulent applications through pattern analysis
- ✓ Extract key financial ratios and metrics from unstructured statements



## Healthcare

Extract critical patient information from intake forms, medical records, and insurance documentation while maintaining HIPAA compliance.

- ✓ Reduce patient registration time by 82% with automated form processing
- ✓ Capture vital medical history from handwritten physician notes
- ✓ Accelerate insurance verification by extracting policy details automatically
- ✓ Ensure HIPAA compliance with secure document handling and controlled access



## Real Estate

Process property listings, lease agreements, and inspection reports while extracting valuable data from property photographs.

- ✓ Extract property features from listing descriptions and photographs
- ✓ Automatically detect and flag problematic clauses in lease agreements
- ✓ Convert inspection reports to structured data for property management systems
- ✓ Process hundreds of property documents daily without additional staff



## Manufacturing & Logistics

Streamline supply chain documentation processing from bills of lading to quality reports and shipping manifests.

- ✓ Process shipping documents 5x faster with automatic data extraction
- ✓ Identify discrepancies between orders, shipments, and invoices automatically
- ✓ Extract critical data from quality inspection reports for trend analysis
- ✓ Integrate document data directly with ERP and warehouse management systems



## Customer Success Stories



*Intelligent Document Automation*

*PAIGE has transformed how we process thousands of loan applications daily. Tasks that once took hours now happen in seconds—with better accuracy than our manual process. The AI's ability to extract data from unstructured documents has eliminated our application backlog completely.*

**F**

**Operations Director**

Fortune 500 Financial Services Company



*AI-powered document recognition and processing*

*Before PAIGE, our staff spent hours manually entering data from insurance forms and medical records. Now the system automatically identifies document types, extracts the relevant information, and routes files to the appropriate departments—all without human intervention.*

**H**

**CIO**

Regional Healthcare Network



## Implementation & Deployment

PAIGE's cloud-native architecture enables rapid deployment with minimal IT resource requirements, while our professional services team ensures a smooth transition from legacy processes.

1

### Assessment

Our team analyzes your current document processing workflows to identify bottlenecks, error-prone processes, and automation opportunities.

2

### Configuration

PAIGE is configured to understand your specific document types and extraction requirements without rigid template creation.

3

### Integration

We connect PAIGE to your existing systems through secure APIs, ensuring seamless data flow into your business applications.

## Technical Requirements



### Cloud-Based Deployment

PAIGE is delivered as a secure cloud service with no on-premise hardware requirements, enabling rapid implementation and automatic updates.



### API-First Architecture

RESTful APIs and webhooks enable seamless integration with document management systems, ERPs, CRMs, and custom applications.



### Enterprise Security

Robust end-to-end encryption, role-based access controls, and comprehensive audit logging for all document processing activities ensure your data remains protected.



## Return on Investment

Organizations implementing PAIGE typically achieve full ROI within 3-6 months through operational efficiency gains, error reduction, and staff reallocation to higher-value activities.

**85%**

### Reduction in Manual Processing

Eliminate most manual data entry tasks by automating document capture and data extraction, freeing staff for higher-value work.

**60%**

### Faster Document Processing

Accelerate document processing from hours to minutes or seconds, reducing delays in critical business workflows.

**99.8%**

### Data Accuracy

Virtually eliminate costly data entry errors through AI-powered extraction and intelligent validation rules.

*Implementation was remarkably smooth. Within two weeks, we had PAIGE processing our highest-volume document types. The AI required minimal training, and its accuracy continues to improve automatically over time.*

**M**

**IT Director**

Manufacturing Enterprise

*We achieved ROI in just four months. The reduction in manual data entry alone paid for the implementation, and the improved accuracy has eliminated costly reconciliation efforts that used to plague our AP department.*

**R**

**CFO**

Retail Chain



## Simple, Transparent Pricing

**5¢** per page

PAIGE offers straightforward, usage-based pricing that scales with your document processing needs. Pay only for what you use with no hidden fees or long-term commitments.

### Simple Pricing: 5¢ per page

**Any volume - from 1 to 1,000,000+ pages**

#### No volume commitments required

- ✓ Full AI document processing
- ✓ Unlimited document types
- ✓ Advanced workflow automation
- ✓ Standard & custom integrations
- ✓ Priority support
- ✓ 99.9% uptime guarantee
- ✓ Comprehensive data security
- ✓ Enterprise-grade deployment
- ✓ Dedicated customer success
- ✓ No hidden fees or commitments



## Frequently Asked Questions

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### How accurate is PAIGE compared to other document capture solutions?

PAIGE achieves 99.8% extraction accuracy—significantly higher than the 95-97% accuracy of traditional template-based systems. Unlike standard OCR solutions, PAIGE uses AI with contextual understanding, extracting relevant data through context and reasoning rather than rigid templates or zones.

### Does PAIGE require extensive training for each document type?

No. Unlike traditional solutions requiring regex or predefined zones, PAIGE uses context to dynamically adjust to handle document variations. The system learns continuously from all processed documents, improving automatically without requiring manual training sessions.

### How does PAIGE integrate with our existing document management system?

PAIGE connects with virtually any document management system through our comprehensive API layer. We provide pre-built connectors for major DMS platforms, and our professional services team can develop custom integrations for proprietary systems.

### What security measures does PAIGE implement to protect sensitive data?

PAIGE employs enterprise-grade security with end-to-end encryption, role-based access controls, and detailed audit logging. We offer data residency options for organizations with strict regulatory requirements, ensuring your sensitive information remains protected at all times.



## Transform Your Document Processing Today

Experience how PAIGE can eliminate manual data entry, improve accuracy, and accelerate your document workflows. Contact us to see our technology in action with your actual documents.

### Ready to Get Started?

Our team of document intelligence experts is ready to help you assess your current processes and design a custom solution that addresses your specific challenges.

 **Email:** [sales@ademero.com](mailto:sales@ademero.com)

 **Phone:** (888) 276-2914

 **Website:** [www.ademero.com](http://www.ademero.com)

*Request your personalized ROI assessment to see how PAIGE can deliver measurable business value by eliminating manual data entry, reducing errors, and accelerating your document-driven processes.*

[Schedule a Demo Today](#)

Ademero is a leading provider of intelligent document management solutions, serving organizations across industries for over 20 years. Our flagship products include PAIGE for front-end document capture and Nucleus.one for comprehensive document management.

With a focus on innovation and customer success, Ademero has helped thousands of organizations worldwide transform their document-intensive processes through intelligent automation and AI-driven data extraction.