

OPTICAL CHARACTER RECOGNITION

OCR in 2026

Turning any document - printed, typed or handwritten - into structured, machine-readable data that AI can understand and act on.



\$55.3B
Projected OCR market by 2033



15.5%
Annual growth (CAGR)



98-99%
Page-level accuracy

What is OCR?

The field, in one line

Optical Character Recognition (OCR) converts images of text scans, photos, PDFs, handwriting into machine-readable, editable, searchable data. Modern OCR goes further: it doesn't just read the characters, it extracts, structures, and validates the information.

OCR vs IDP

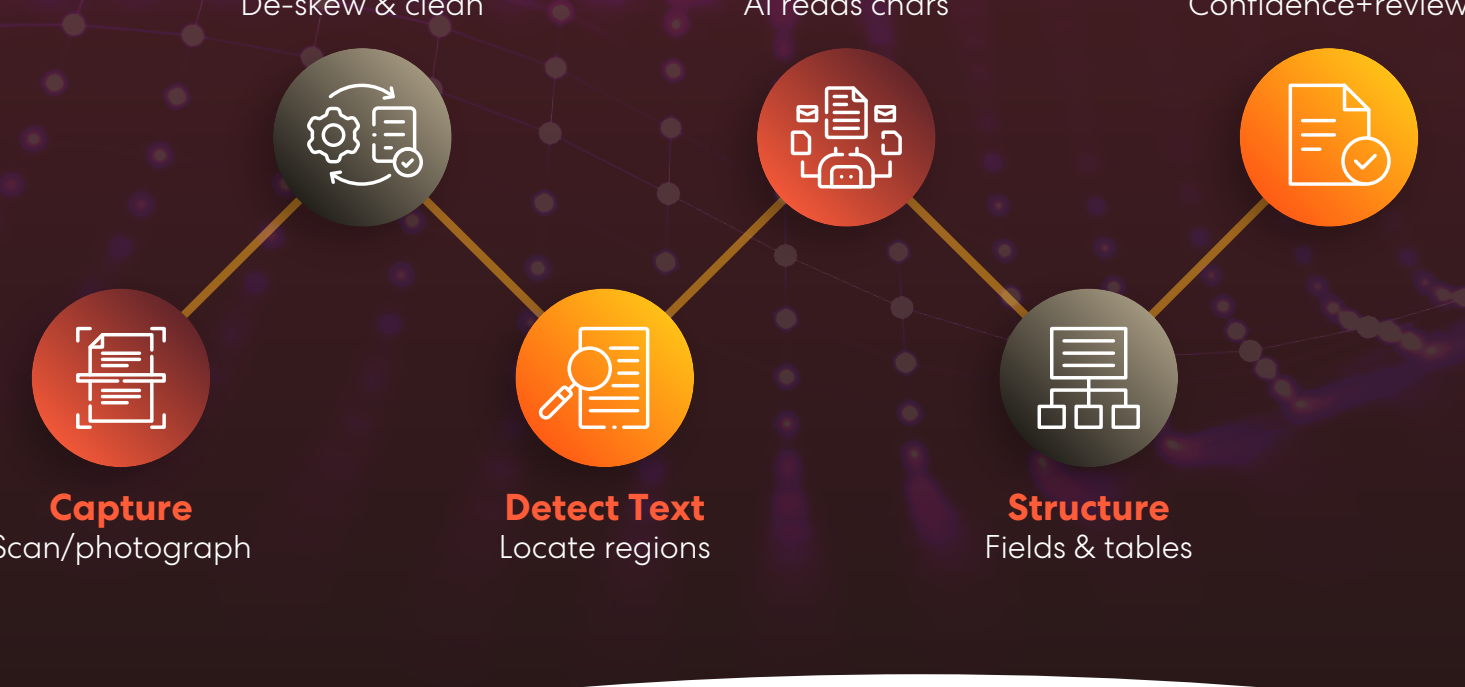
OCR reads the text. **Intelligent Document Processing (IDP)** understands the document and acts on it - classifying, extracting fields, validating & routing.



80% of business data lives in **unstructured documents** - the OCR paperwork unlocks

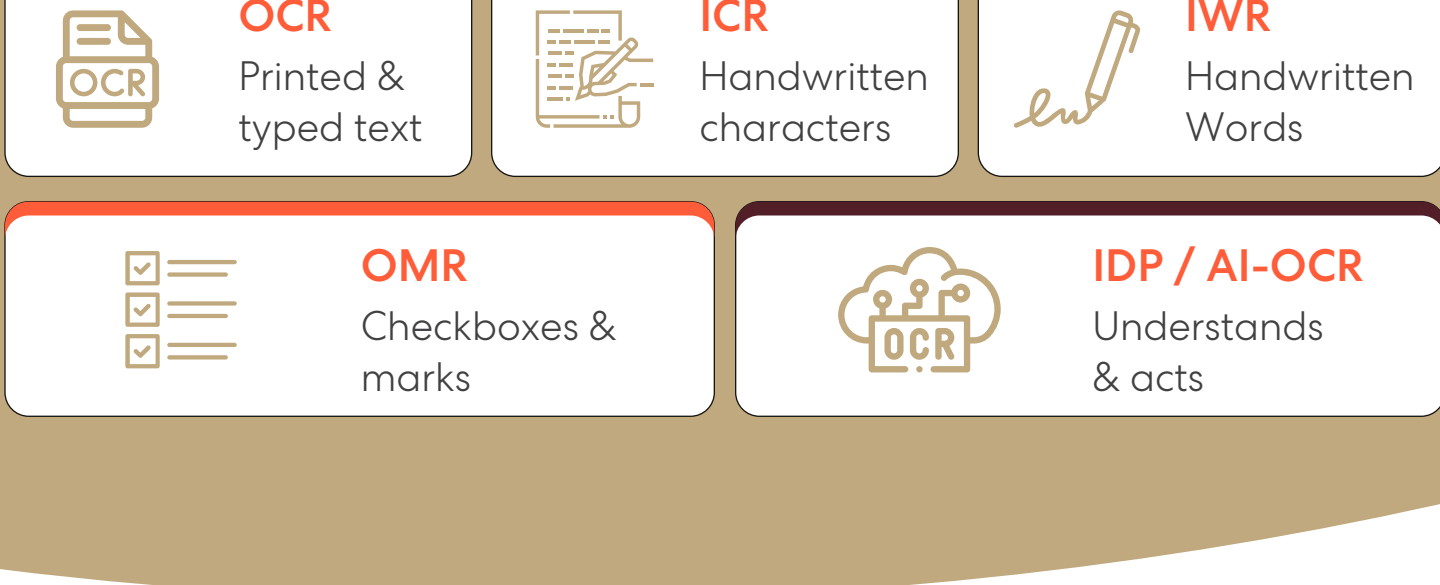
How OCR Works

The modern 6-step pipeline



Types of OCR

Not all OCR is the same



OCR in the AI Era

Raw OCR is now just step one

Intelligent Document Processing

Classifies, extracts, validates & routes data end-to-end.

AI / Deep-Learning OCR

Generalizes across layouts — no brittle templates.

ICR — Handwriting

Reads cursive and handwritten notes.

NLP Understanding

Interprets meaning, not just characters.

LLM & Multimodal AI

Reads a page like a human: text, tables & images.

Agentic Workflows

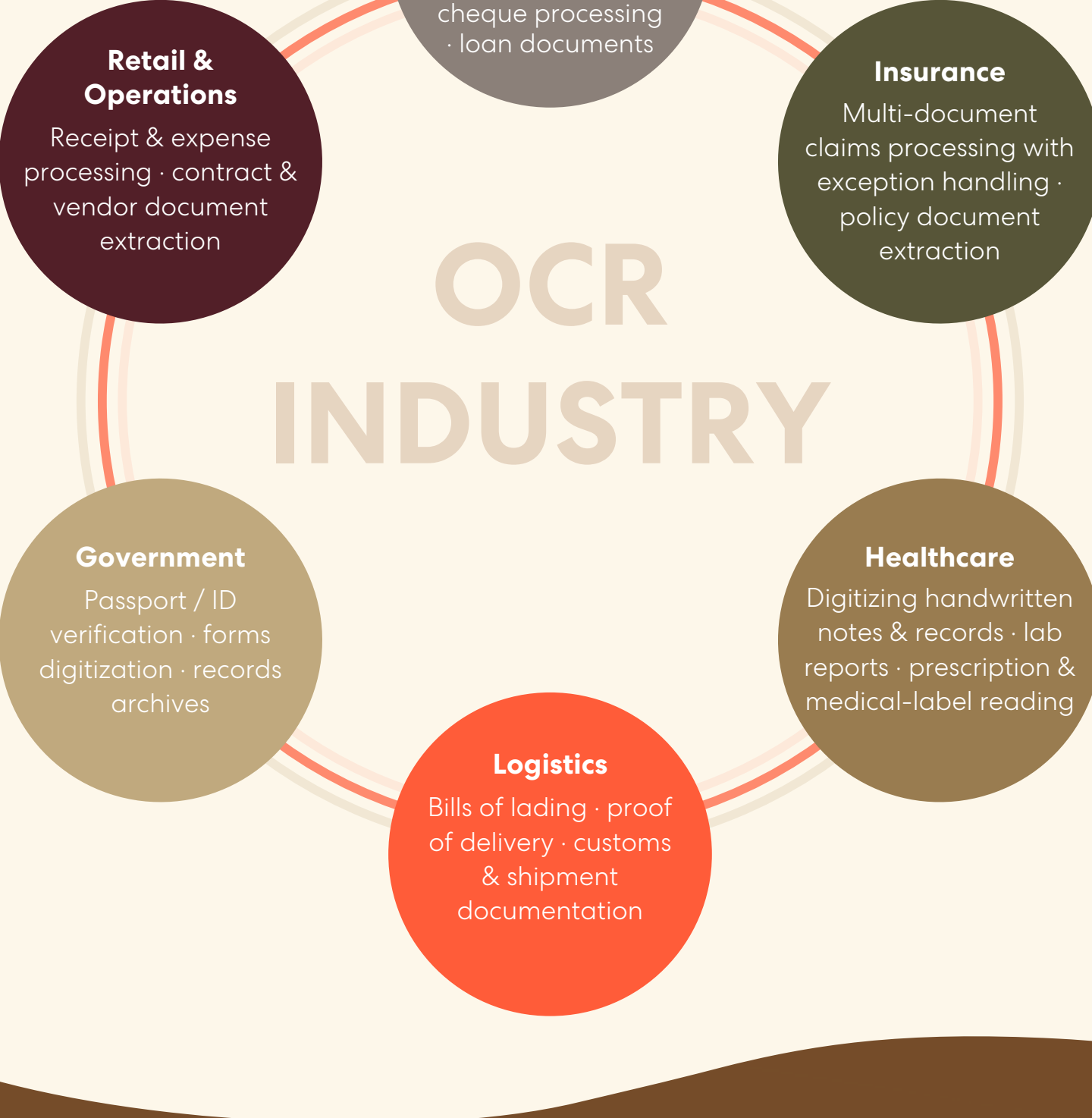
Extract → validate → file, on their own.

Confidence Scoring & Human-in-the-Loop

Automation with targeted human review where confidence is low or risk is high.

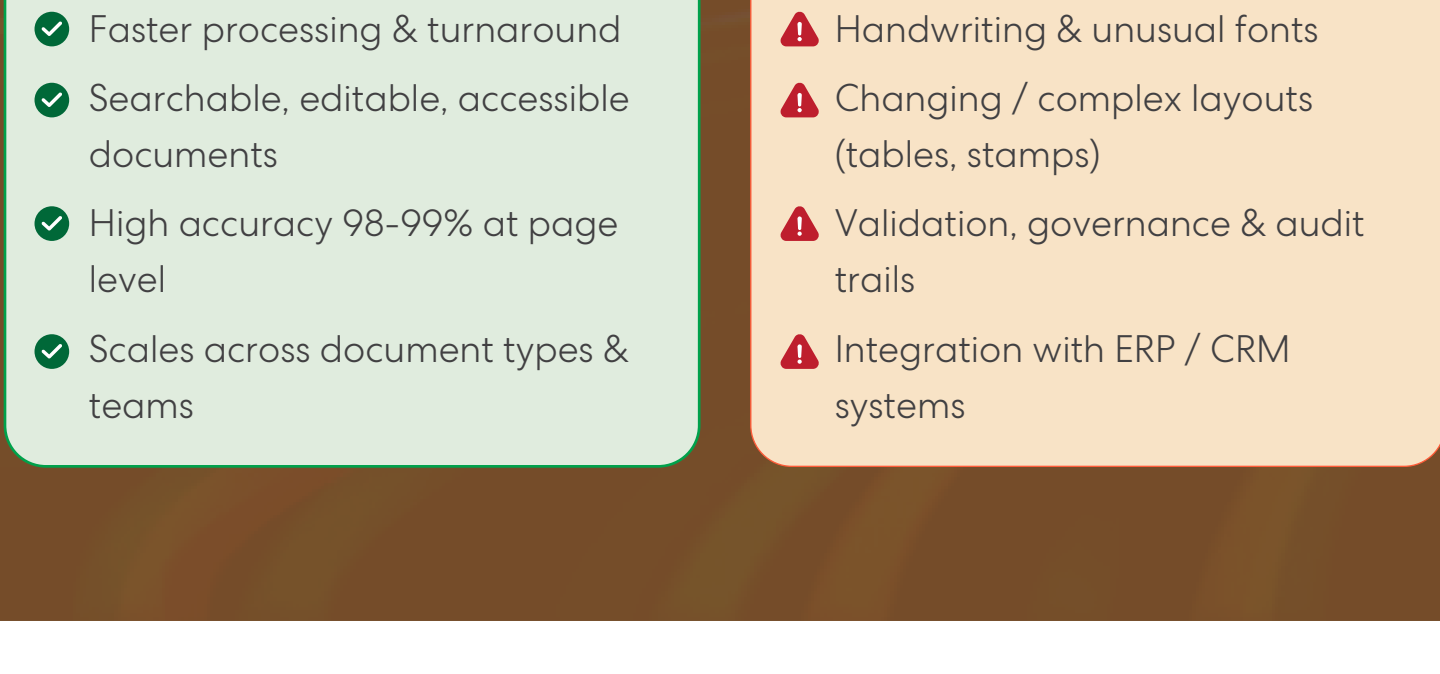
OCR Use Cases

Where it delivers value



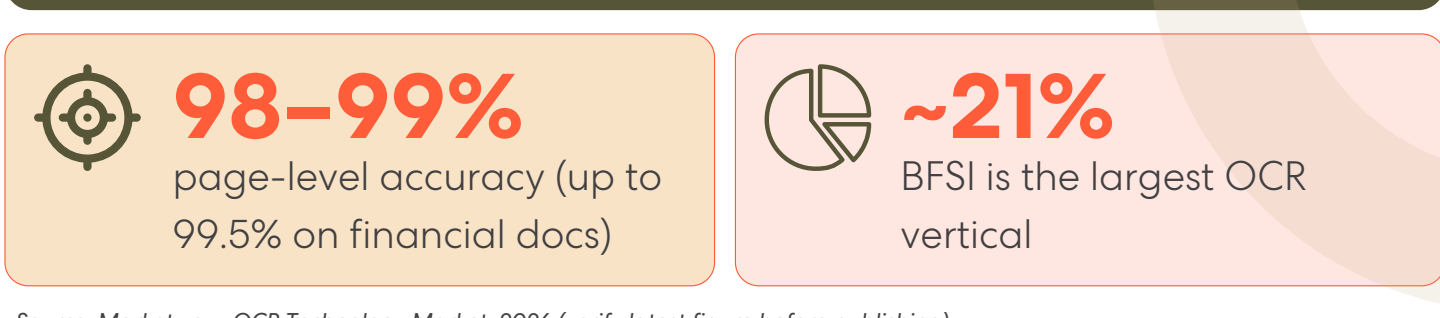
Benefits & Challenges

The honest picture



The OCR Market

Sourced & current



Source: Market.us — OCR Technology Market, 2026 (verify latest figure before publishing).

What's Next: OCR Trends for 2026

The road ahead

