IRONOCR

The C# OCR Library

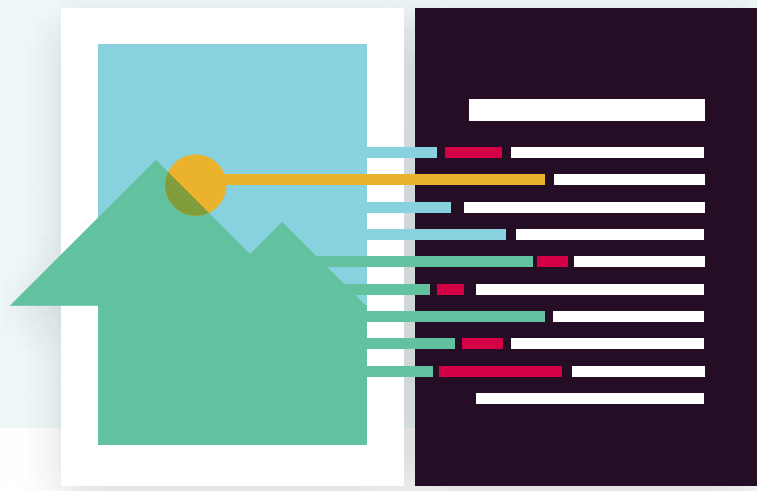\# OCR for C# to scan and read images & PDFs

\# .NET OCR library with 127+ global language packs

\# Output as text, structured data, or searchable PDFs

\# Supports .NET 9, 8, 7, 6, Core, Standard, Framework

```
PM > Install-Package IronOcr
```

ironsoftware.com/csharp/ocr
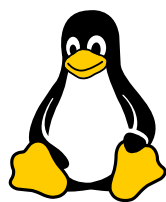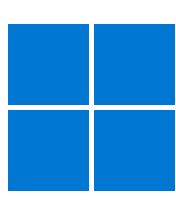
OCR in 1 line of code

```
1.  // Nuget PM > Install-Package IronOcr
2.
3.  using IronOcr;
4.
5.  var Result = new IronTesseract().Read(@"images\image.png").Text;
6.
```

Tesseract 5 OCR in the language you need. We support 127+.

Cross Platform Support

Designed for **C#, F#, & VB.NET** running on **.NET 9, 8, 7, 6, Core, Standard,** or **Framework**

IronOCR Features

Compatibility

.NET Languages:
- C#, VB.NET, F#

Platforms:
- .NET 9, 8, 7, 6 & 5
- .NET Core 2x & 3x
- .NET Standard 2
- .NET Framework 4.6.2+

App Types:
- Console, Web, & Desktop

Operating Systems:
- Microsoft Windows
- macOs
- Linux
- Docker
- Azure
- AWS

IDEs:
- Microsoft Visual Studio
- Jetbrains ReSharper & Rider

Certification:
- Microsoft Authenticode

OCR Engine

Underlying OCR Engine:
- Tesseract 5 (Custom for .NET)

International Languages:
- 125 Languages
- High and Fast Quality
- Custom Languages

Text and Barcode Reading:
- Text and Numbers
- Multiple Languages at Once
- Barcodes

Specialist Documents:
- Receipts
- License Plate
- Passport
- Photo
- Screenshot

Concurrency:
- Single and Multithreading
- Async Support
- Suspend current thread
- Cancel OCR Reading

Computer Vision:
- Find text with trained models

OCR Input

Read from Many Formats:
- Images (jpg, png, gif, tiff, bmp)
- Multi-Page/Frame (tiff, gif)
- System.Drawing Objects
- Streams
- PDFs (optimized target DPI)

Filters:
- Filter Wizard (Find best filter combination)
- Image Correction (Sharpen, Enhance Resolution, Denoise, Dilate, Erode)
- Fix Image Orientation (Rotate, Deskew, Scale)
- Fix Image Colors (Binarize, Grayscale, Invert, ReplaceColor, SelectTextColor)

Apply a Crop Region:
- CropRectangle

OCR Result

Simple Data Output:
- .NET Text Strings
- Barcode and QR Data
- Images

Structured Data Output:
- Pages
- Blocks
- Paragraphs
- Lines
- Words
- Characters

Export Documents:
- Searchable PDFs
- hOCR Export
- HTML Export
- Page or Text as image
- Barcode or QR as Image

Highlight Text and Save:
- Characters, words, lines, and paragraphs

Status and Analytics:
- OCR Progress Tracking
- Result Confidence

This features table was updated May, 2025.
For the latest visit ironsoftware.com/csharp/ocr

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✔ 1 developer	✔ 3 developers	✔ 10 developers	✔ Unlimited developers
✔ 1 location	✔ 3 locations	✔ 10 locations	✔ Unlimited locations
✔ 1 project	✔ 3 projects	✔ 10 projects	✔ Unlimited projects
♡ Email support	♡ Email support (48h SLA)	♡ Email support (24h SLA)	♡ Email support (12h SLA)
	♡ 24/5 Live Chat support	♡ 24/5 Live Chat support	♡ 24/5 Live Chat support
		♡ Screen-sharing support	♡ Screen-sharing support
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	Lite			
	⚠ **Lite** only available for single product Licenses	✓ 3 developers ✓ 3 locations ✓ 3 projects	✓ 10 developers ✓ 10 locations ✓ 10 projects	✓ Unlimited developers ✓ Unlimited locations ✓ Unlimited projects
		♡ Email support (48h SLA) ♡ 24/5 Live Chat support	♥ Email support (24h SLA) ♥ 24/5 Live Chat support ♥ Screen-sharing support	♡ Email support (12h SLA) ♡ 24/5 Live Chat support ♡ Screen-sharing support ♡ Slack connect support For best coverage consider **Enterprise**

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IRONWORD Edit DOCX Word Files. No Office Interop required.

IRONXL Edit Excel & CSV files. No Office Interop required.

IRONPPT Edit Powerpoint files. No Office Interop required.

IRONOCR OCR (extract text from images) in 127 languages.

IRONBARCODE Read and write QR & Barcodes.

IRONQR Read and write QR codes.

IRONZIP Zip and unzip archives

IRONPRINT Print documents in .NET applications

IRONWEBSCRAPER Scrape structured data from websites.

IRONSUITE for .NET

Iron Suite for .NET

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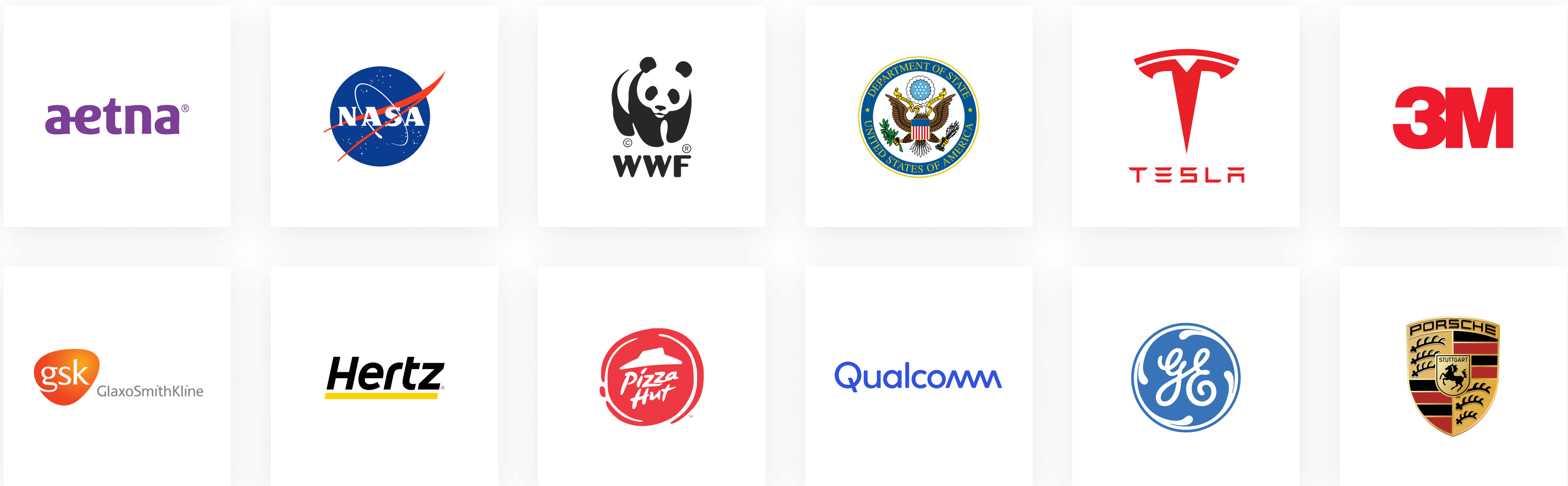
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What Developers Say About Iron C# Libraries

My favorite library of this kind is IronPDF. It allows for fast and efficient manipulation of PDF files. It also has many valuable features, like exporting to PDF/A format and digitally signing PDF documents.

Milan Jovanović
Microsoft MVP

The IronSuite play a crucial role in our operations. These are tools that increase efficiencies across the business including creating floor plans and improving inventory management.

David Jones
Lead Software Engineer, Agorus Build

IronOCR means we can save $40,000 annually from manual processing, while enhancing productivity and freeing up resources for high-impact tasks. I would highly recommend it.

Brent Matzelle
Chief Technology Officer, OPYN

★★★★★

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This information is accurate as of May 2025, for the latest information please look at our website, or contact our sales team.