



Irida Labs MRZ ID/Passport OCR



MRZ ID/Passport OCR is the vision-based Machine-Readable Zone (MRZ) scanning on documents such as ID cards and passports. It leverages the edge AI capabilities of the [EK-RA8D1](#) platform, ensuring seamless and efficient on-device processing. The system uses a camera module to detect MRZ codes and display the decoded information, making it ideal for high-accuracy, real-time, low-power, edge AI deployments. Easily manage and monitor your MRZ scanning solution through the intuitive PerCV.ai platform.

- **Vision-AI based:** execute on-device AI inference to achieve low-latency performance
- **Vision-only OCR:** high-performance MRZ scanning without additional sensors
- **Supported MRZ formats:** compatibility with TD1, expandable to TD2, TD3, MRVA, and MRVB
- **Plug-and-play implementation:** easy integration for quick time-to-market.
- **Compact design:** ideal for space and energy-constrained integrations

[illegible]

- Automated passport control
- Boarding processes
- Access control system
- Government & public services
- Transportation & logistics
- Smart fare collection
- Smart city
- Access control system
- e-commerce & delivery

www.irdalabs.com/mrz-code-scanning-solution/



IRIDA LABS

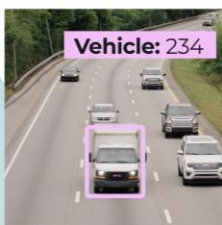
Powering Vision AI Sensors & Solutions

[Irida Labs](#) is a global leader in edge computer vision software, transforming cameras into intelligent AIoT sensors. Through our game-changer platform, [PerCV.ai](#) (pronounced "Perceive AI"), we empower organizations with Vision AI sensors and solutions that convert visual data into actionable metadata and streamline operations, enhance automation, improve efficiencies, and increase safety at scale.

We work with Fortune 500 companies and top innovators across diverse markets, from smart factories and logistics to smart buildings and city surveillance, providing intelligent, adaptable, and scalable Vision AI sensors and solutions worldwide.

Going beyond AI models, our unique approach delivers end-to-end, deployment-ready systems paired with a robust development infrastructure for quick time-to-market and future-proof scalability. Our mission is to make Vision AI accessible and impactful, empowering businesses to solve real-life challenges by transforming how cameras see the world.

PerCV.ai Smart Cities & Spaces Suite



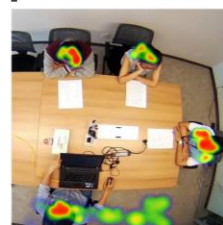
Traffic Analytics



Smart Parking



Number Plate Recognition



People Counting & Heatmapping



Pedestrian Flow Monitoring

PerCV.ai Industry 4.0 Suite



Warehouse Monitoring



Packaging Quality Inspection



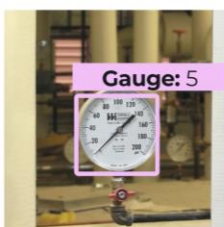
Product QR Scanning



People Presence Detection



Product Counting



Analogue Gauge Digitization



Vehicle Recognition



Personnel Safety PPE Monitoring

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