



IRIDA LABS

## RZ Ecosystem Partner Solution

# Irida Labs Vision AI Sensor for Smart Cities & Spaces



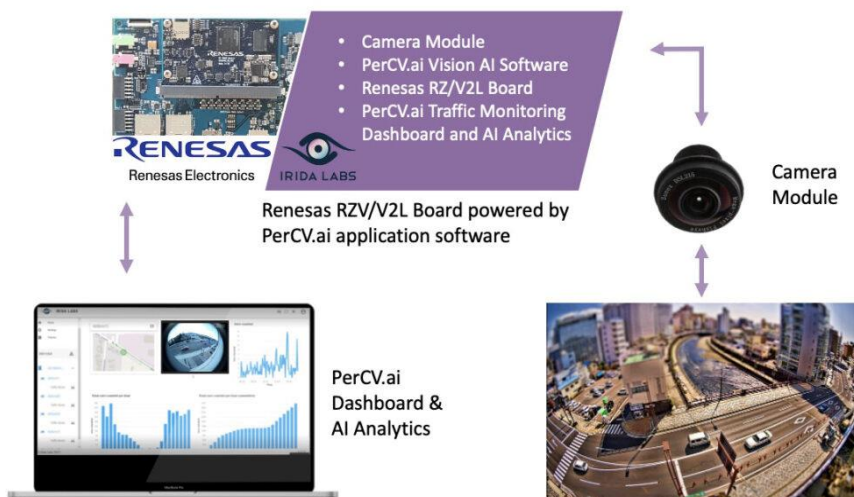
### Solution Summary

This **Vision AI Sensor** accelerated by [RZ/V2L](#) is a plug-n-play Edge AI hardware & software solution for Smart Cities & Spaces that drives the new era in urban area management. Based on the core functionalities of accurate, Vision AI-powered vehicle, object & citizen detection, the sensor comes with PerCV.ai intuitive dashboard for data visualisation and flow analytics. Traffic monitoring, Citizen Flow Monitoring and Smart Parking are just some of the supported applications.

### Features/Benefits

- **VISION AI at the EDGE:** Turns camera into a vision sensor that does all the AI processing at the endpoint using RZ/V2L – No Cloud necessary
- **EASY INTEGRATION:** Compact size – easily integrated with existing software stack via industry standard MQTT protocol
- **24/7 Analytics:** Fully automated, unsupervised and privacy-preserving traffic & pedestrian flow monitoring and analytics around the clock
- **TIME to MARKET:** From prototype to production deployment in 2 - 4 months

### Diagrams/Graphics



### Target Markets and Applications

- Smart Cities & Spaces Operations & Analytics
- Smart Grid/Energy Saving, Smart Lighting
- Intelligent Transportation
- Citizen Safety
- Citizen Quality of Life & Accessibility

<https://iridalabs.com/renesas-irida-labs-vision-ai-sensor-smart-cities/>

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## Powering Vision AI Solutions for Industry 4.0 / Smart Retail / Smart Cities & Spaces

**Irida Labs** is powering vision based AIoT sensors and solutions by bringing computer vision and AI at the edge, helping companies around the world develop scalable vision-based solutions. We provide AIoT-optimized embedded vision software using computer vision and deep learning, transforming bounding boxes into real world vision applications.

Our end-to-end AI software and services platform, **PerCV.ai**, unlocks myriads of computer vision and AI applications by enabling scalable vision solutions for people, vehicle and object detection, identification, tracking, and 3D pose estimation in a wide range of markets such as **Industry 4.0**, **Smart Cities & Spaces** and **Smart Retail**.



### SMART CITIES & SPACES

Traffic monitoring | Parking  
Lot Management  
| ANPR



### INDUSTRY 4.0

Stock Management | Product  
identification | Process  
Automation | QA



### SMART RETAIL

Shelf monitoring | Customer  
analytics | Store heatmapping

Our fast-growing team is based in Europe, Greece, while our business' global footprint spans from Northern & Central Europe to North America and Asia.



 <https://iridalabs.com/>

 <https://www.linkedin.com/company/irida-labs/>

 <https://www.youtube.com/channel/UCcGvXFkpfvGCRQTZCvC2xYg>