

License Plate Detector

Uses image recognition to improve parking lot monitoring



EU AI Act classification

SYSTEM'S DESCRIPTION

This system, developed for retail store managers and security personnel, uses image recognition technologies like optical character recognition to make parking lot allocation faster and more secure for customers.

The system is limited risk because it performs a narrow procedural task that does not significantly impact individuals' fundamental rights.

EU AI Act, Article 6(3)

BENEFITS

■ (□) benefit primarily (not) enjoyed by

Customers
Store
Institutions
and Environment

Reduction in parking time	■ ■ □
Reliable calculation of parking time	■ ■ □
Improvement in the security of the parking area	■ ■ ■
Reduction in the need for human labor at parking points	□ ■ □
Reduction in the congestion and unauthorized parking	■ ■ ■

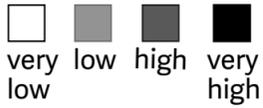
IMPACT ASSESSMENT REPORT

available in multiple formats including Braille



Last update: 5 August 2025

RISKS



MITIGATION STRATEGIES

Capability Risks

Accidentally capturing images of vehicle's surroundings	Filtering collected images to include only licence plates	■ ■ ■
Delays during power and network disruptions	Maintaining traditional parking allocation methods	■ ■ □

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Human Interaction Risks

Information imbalance between staff and customers during parking conflicts	Installing interactive screens for customers to access parking rules and check their current parking status	■ ■ □
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Systemic Risks

Perpetuating the perception of constant surveillance	Automatic deletion of captured license plate images after seven days	■ ■ ■
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SYSTEM'S DATA

Currently used	Personally identifiable information
License plate images	■
Logs with the time of entry and exit	■
Potential future uses	
Logs with the time of entry and exit	■

PERFORMANCE OF MODELS ON DATA

Data	Model	Version	Metrics
License plate images	CNN ¹ -Plate	3.1	Accuracy % of full license plates correctly recognized ██████████ 97%
	CNN ¹ -Digit	5.1	Accuracy % of license plate digits correctly recognized ██████████ 94%
Logs with the time of entry and exit	Logistic Regression	8.1.1	Accuracy % of cars correctly predicted to overstay ██████████ 75%

¹ Convolutional Neural Network

REPORTING RISKS

Helpline: 0XXX XXX XXX
Reporting portal: report-risk@com
Mail: XX Main Street,
XXX-XXX Contry Z

REGISTERED OFFICE

Name of the company
XX Main Street,
XXX-XXX Contry Z

CERTIFICATES



GDPR Compliant