AIPARK
Artificial Intelligence Based Parking

Parking Sensor®

Solving parking in the public space with

Advanced Real-Time Parking Monitoring

The **ParkingSensor®** is an IoT device that continuously monitors the availability of on- & off-street parking spots. It is mounted to light poles and **automatically detects parking violations and open spots** in its field of view. One sensor can montior **up to 30 parking spots**. Data is collected in real-time and used for traffic management, parking enforcement, connected vehicles and mobile devices.

Full GDPR compliance for applications in public areas as verfied by independant auditors

Computer Vision for automated vehicle detection - completely processed **on the Edge**

Up to 70% higher cost effectiveness due to AI-powered optical detection

www.aipark.de

info@aipark.de

Rebenring 33, Braunschweig, Germany

+49 1573 0300701

ParkingSensor®

Automated parking monitoring and enforcement in public areas

The **ParkingSensor®** detects open parking spots and parking violations - **fully automated and in real-time.** The optical system is highly cost efficient and can collect data for up to 30 parking spots with a single device. It is light-weight, tiny and works on ultra-low power consumption. Cutting-edge Computer Vision technology is used to process raw data directly on the device to **surpasses the GDPR** data security legislation.

Detection Rate	> 98 %
Spots per unit	Up to 30 spots
Update interval	Up to 3 sec
Power consumption	0.9 Watt
Connectivity	3G / 4G
Weight	1.6 kg (incl. opt. battery)
Dimensions	60 x 85 x 115 mm

Case Study

Braunschweig Die Löwenstadt

- **Largest guidance system for on-street parking in Germany** covering an entire city district
- **500+ parking spots monitored** by 50 sensor units that are installed on light poles

Car drivers
Navigation to an open parking spot via the AIPARK smartphone app

Traffic Management
Reduced search traffic and automated parking enforcement

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AIPARK GmbH
Technologiepark, Rebenring 33
38106 Braunschweig, Germany
www.aipark.de

Get in touch to discuss your project!