

VICINIA

AI-Powered Space and Mobility Management Solutions

Smart Parking Solution





Over 10 Year Lifespan

Robust Housing

Long Range

IK 08

IK 08 Protection

IP67 Waterproof

Product Overview

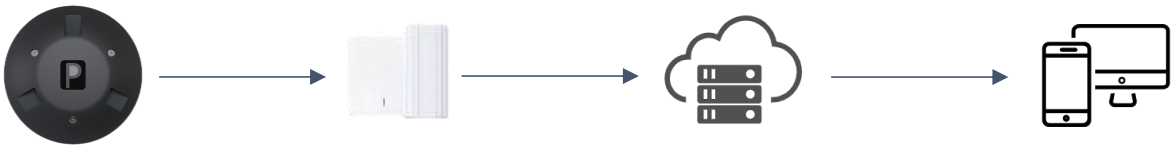


- Up to 10 years battery life
- Route navigation and parking spot monitoring
- Robust housing with IP67 waterproof rating.
- All the parameters of this product can be modified via configuration App

Vicinia Smart Parking Sensor is designed for car parking navigation and monitoring parking spot occupancy through its built-in sensor. It features a robust housing with IP67 waterproof rating and can withstand the pressure of vehicles up to 2.5 tons.

The device is quipped with an internal geomagnetic sensor, that accurately detects changes in the surrounding magnetic field caused by vehicles, allowing it to monitor if a parking spot is occupied. The device also boasts a high-capacity design, with a built-in 5200mAh lithium battery, offering a battery life of over 10 years at 8dBm TX power.

How It Works



Smart Parking Sensor

Data Gathering Node receives signal and uploads to server

Cloud server response and take action

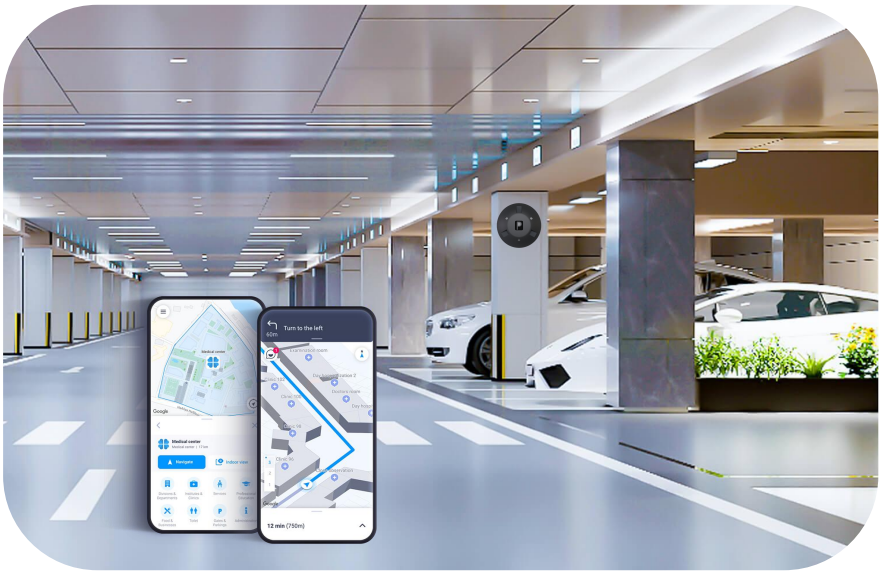
Your platform send notification to security or users

Usage Scenarios



Parking Spot & Flow Monitoring

Vicinia Smart Parking Sensor is equipped with a geomagnetic sensor that accurately detects the availability of parking spaces, enhances the efficiency of space usage, and provides precise positioning within parking lots or to specific destinations.



Route Navigation

When a driver enters an indoor parking garage, the app on their smartphone recommends a suitable spot. The app uses the signals to determine the driver's exact location and then guides them accordingly.

Basic Specifications

Size	Dia 175mm*38mm	**Switch**	Inside Swich
Material	ABS	**Configure APP**	Vicinia Desk
Housing Color	Black(colors customizable)	**Sensor**	Geomagnetic Sensor
Weight	290g (with battery)	**Bluetooth Version**	BLE 5.0/ BLE 4.x
Battery Capacity	5200mAh Lithium battery	**OTA**	Yes
Battery Life	10 Years [1]	**TX Power**	-40~8dBm
Waterproof	IP67	**Broadcast Interval**	100ms ~ 40000ms
Working Temp&Humdity	-20℃ ~+60℃ 0 ~ 99% RH	**Transmit Range**	• 150 meters (8dBm on Legacy mode)[2] • 300 meters (8dBm on PHY code mode)[3]

* [1] Base on Broadcast Interval 1000 milliseconds and TX power is 8 dBm
* [2] and [3] based on an open space

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