



Deliver a hassle-free parking experience



Applications

- Smart Parking Management & Reporting
- Parking Guidance Systems
- Event Parking Management
- Commercial & Mixed-use Real Estate
- Public & Private Parking Facility Management

The PlacePod Vehicle Counting sensor provides accurate, real-time vehicle counts for parking facilities and lots.

Introducing the newest addition to the PlacePod high-accuracy smart parking sensor family: the PlacePod Vehicle Counting (VC) sensor. PlacePod VC is a wireless, in-ground sensor that provides real-time vehicle counts for parking garages and surface lots in cities, corporate and university campuses, transportation hubs, shopping centers and event facilities.

PlacePod VC counts vehicles passing through driveways and designated entrances and exits, and the sensors offer greater accuracy than traditional loop counters and infrared sensors. With real-time vehicle count data from PlacePod VC, parking operators can gain greater visibility and control over their parking inventory and make it easier for drivers to park.

PlacePod VC can be used in combination with PlacePod Vehicle Detection sensors to manage occupancy for individual spaces, such as spaces designated for people with disabilities and spaces with electric vehicle charging stations.

Features & Benefits

- Real-time vehicle count information can be shared with parking guidance systems and variable message signage to improve the accuracy of parking space occupancy information and guide drivers to available spaces.
- PNI's cloud-based Parking Management Application processes the vehicle count data which can be shared with any third-party system, giving parking operators greater visibility over parking space occupancy.
- Includes the industry's most accurate magnetic sensing system for vehicle detection with the combination of PNI's high-performance magnetic sensor and vehicle counting algorithms.
- Optimized for IoT with a built-in LoRa® radio that communicates wirelessly to a gateway with complete Low Power Wide Area Network (LPWAN) compatibility.



Specifications*

| | |
|-----------------------|--|
| Communication | <ul style="list-style-type: none"> • LoRa 915 MHz or 868 MHz Module • LoRaWAN™ compliant • Uses Sub-GHz ISM bands in North America and Europe |
| LoRaWAN Device Type | Class A |
| Output | Vehicle count |
| Battery Life/Type | <ul style="list-style-type: none"> • Up to 7 years depending on configuration and distance from gateway • Lithium-Thionyl Chloride |
| Dimensions | 4.3 in (10.92 cm) diameter -minimum hole 4.5 in (11.43 cm) 3.75 in (9.525 cm) height -minimum hole 4.5 in (11.43 cm) |
| Installation Position | Two sensors 10 ft (3 m) apart in the center of a driveway entrance or exit lane |
| Operating Temperature | -30°C to +70°C / -22°F to +158°F |
| Storage Temperature | -40°C to +85°C / -40°F to +185°F |
| Activation Type | OTAA |
| Certifications | FCC (915 MHz), CE (868 MHz) |



PlacePod Vehicle Counting Sensor

Product Ordering Information

| Part Number | Model | Region | LoRa Frequency |
|-------------|-----------|---------------|----------------|
| VSC-NA915LR | In-ground | North America | 915 MHz |
| VSC-EU868LR | In-ground | Europe | 868 MHz |

For more information about PlacePod Smart Parking sensors visit: [PlacePod](#).

With over 30 years of experience, PNI is the world's foremost expert in precision location, motion tracking, and fusion of sensor systems into real-world applications.

PNI's sensors and algorithms serve as the cornerstone of successful IoT projects and other mission-critical applications where pinpoint location, accuracy, and low power consumption are essential.

Building on decades of patented sensor and algorithm development, PNI offers the industry's highest-performance geomagnetic sensor in its class, location and motion coprocessors, high-performance modules, sensor fusion algorithms, and complete sensor systems.

To learn more, please visit www.pnicorp.com.

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*Specification are subject to change.
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