Digital Magnetic Vehicle Detection Sensor

CARDET SERIES

CARDET is a hybrid vehicle detection sensor that combines the patented FS (Feedback Stabilizing) type digital magnetic sensor technology and DI(Digital Integral) proximity detection technology.

CARDET series present an innovative solutions for detecting cars on both outdoor and indoor road, and it can easily replace a loop coil and IR sensors with much higher accuracy. CARDET does not need a high cost of ground construction, do not respond to human or snow, and it has an exceptionally long product life, high reliability, low energy consumption.

CARDET-301

Directional Vehicle Detecting Sensor

CARDET-301 is the unique magnetic sensor that has a directional characteristic that can detect the vehicle only in front of the sensor. It can perfectly replace a conventional loop coil for the function of triggering a LPR or controlling parking bar.

CARDET-101

Vehicle Detection Sensor

CARDET-101 sensor can be installed under the ground using patented FS magnetic sensor technology. The FS technology embeds the function to eliminate various noises on the road and it can be used for warning lights and various purposes.

CARDET-LD

Plused Laser Type Vehicle Detection Sensor

CARDET-LD is the high-tech pulsed laser type vehicle detection sensor that is not affected by vehicle colors, shapes and sunlight. CARDET-LD is suitable for detecting a specific area, and its sensing distance can be extended up to 15m.

CARDET-PR

Ourdoor Parking Sensor or Multi Purpose

CARDET-PR is the newly developed sensor for car detecting with digital Integral signal processor. It is a smart sensor that can perform stable detection wherever indoors and outdoors using the latest signal processing technology of noise cancelling.

CP-IoT

NB-IoT Parking sensor with wireless communication

CP-IoT can be installed under the ground in a parking area, and it can be connected directly to the Internet from anywhere using NB-IoT telecom communication. Super-low power saving design allows it more than 5 years of use.

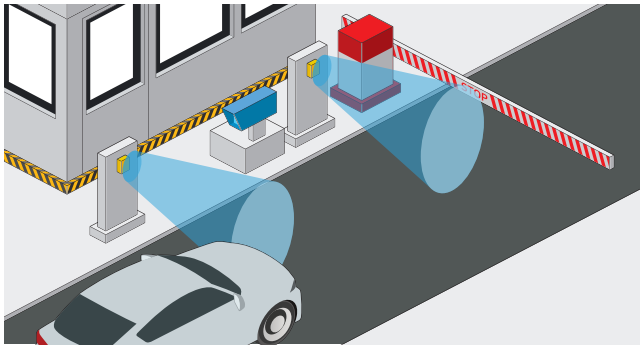
CP-LoRa

LoRa Parking sensor with wireless communication

The CP-LoRa is a low-maintenance-cost surface parking sensor that uses LoRa communication to construct the independent internal network. Super-low power saving design allows it more than 5 years of use.

MAGO Technology co., ltd. 430 Gangnam-bldg., 647 Eonju-ro, Gangnam-gu, Seoul, Korea | +82-70-4065-6397 | sales@magotec.com www.magotec.com

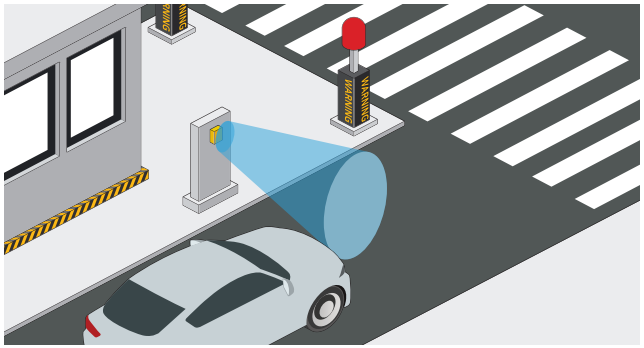
Application by Parking System



1. Car Detection for a LPR & Barrier System

It is very important to detect the vehicle perfectly on controlling a LPR or a parking bar. The CARDET sensor can detect the exact timing of a vehicle passing, and also identify two vehicles even in a bump-to-bump situation. In addition, it is possible to set the system optimized for the site by adjusting the sensor parameters including output delay time and sensitivity.

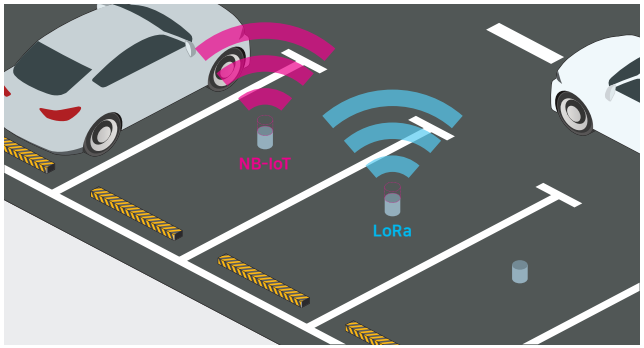
CARDET-301 CARDET-LD



2. Control of a Alarming Light for the Safety

CARDET is the optimal sensor for controlling a warning light. The CARDET sensor can be easily installed at the entrances and crosswalks of roads to protect human safety and valuable property. Installation of CARDET system is very simple and easy, so users can easily upgrade the public safety with a very low budget, even DIY is possible.

CARDET-301 CARDET-101 CARDET-LD

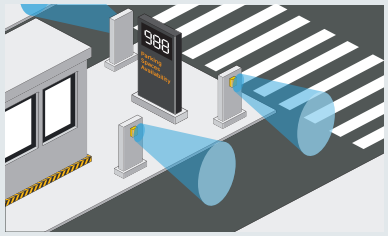


3. Wireless Parking Sensor

CARDET Parking (CP) surface sensor system with wireless communication (NB-IoT, LoRa) and ultra-low energy consumption is the best way to manage an automatic parking control. The CP sensor embeds battery system inside the module and maintain 5 years of use. The system configuration is extremely simple for the connection to internet.

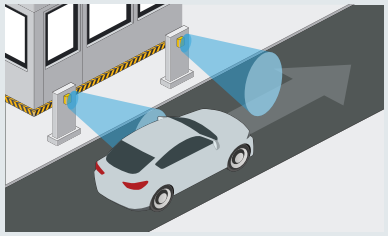
CARDET-301 CARDET-PR CARDET-LD CP-IoT CP-LoRa

4. Sensor System



Digital Vehicle Counter(V-Counter)

V-COUNTER is the most effective and low cost system that can count accurately the number of vehicles passing through at the entrance and exit. It is equipped with the patented technology that can accurately distinguish the each edge of successive cars and filter out the various noises on a road. The system has an elaborate database and smart algorithm for the best accurate counting function.



Detection of the direction of a vehicle

The direction information of a vehicle is very important in many industrial applications. CARDET Direction Detection (CDD) system is very easy to install, which composed of two sensors and one DSP controller. The DSP controller has two output relays those assigned each directions, which allows the most simple interface to user's system.

Customized Development MAGO technology makes various kinds of customized system for users such as a direction detection system on the road.

MAGO Technology co., ltd. 430 Gangnam-bldg., 647 Eonju-ro, Gangnam-gu, Seoul, Korea | +82-70-4065-6397 | sales@magotec.com www.magotec.com