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 RADAR, 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-501

Middle range Vehicle Detecting Sensor

CARDET-501 is the brand new vehicle detection sensor with high-tech RADAR and magnetic sensor technology. It can detect a car up to **4.5m** away. CARDET-501 can give the best solution to almost all application of vehicle detection.

CARDET-301

Short range Vehicle Detecting Sensor

CARDET-301 embedded a high precision digital proximity sensor and patented magnetic sensor which gives highly accurate and stable detection performance for short range.(up to **1.8m**)
It is a bestseller product that has been validated for many year in South Korea.

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-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.

CP-IoT

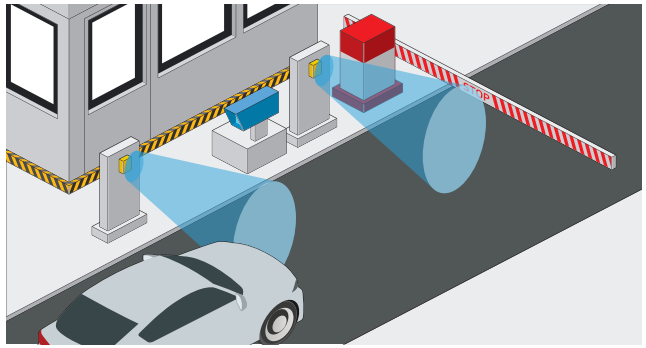
NB-IoT Parking sensor with wireless communication

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 3 years of use.

MAGO Technology, 1112, SeoulTechnoPark, Gongneung-ro232, Nowon-gu, Seoul, Korea | +82-70-4065-6397 | sales@magotec.com

www.magotec.com

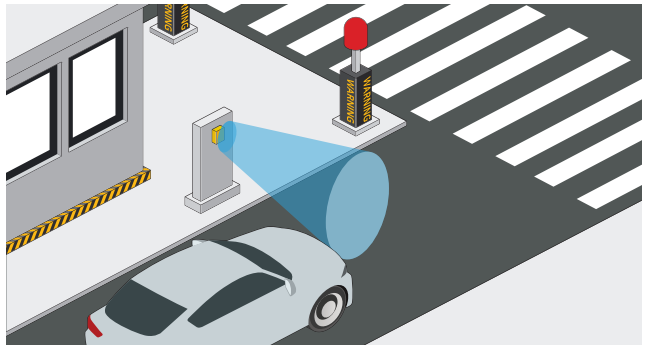
Application by Parking System



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.

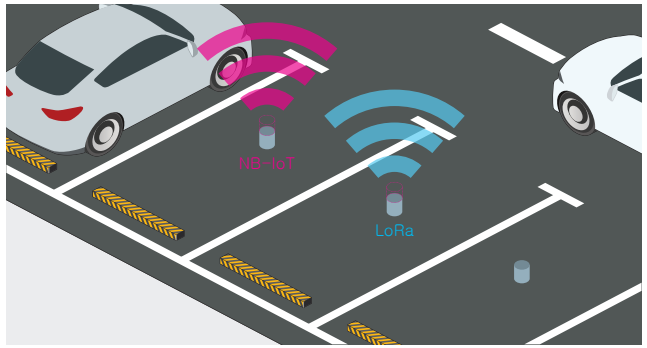
CARDET-501 **CARDET-301** **CARDET-LD**



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-501 **CARDET-301** **CARDET-101** **CARDET-LD**

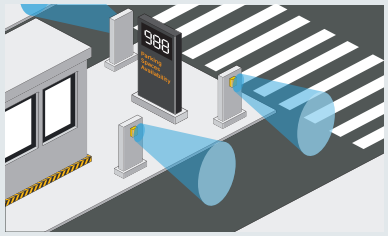


3. Wireless Parking Sensor

CARDET Parking (CP) surface sensor system with wireless communication (NB-IoT) 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 3 years of use. The system configuration is extremely simple for the connection to internet.

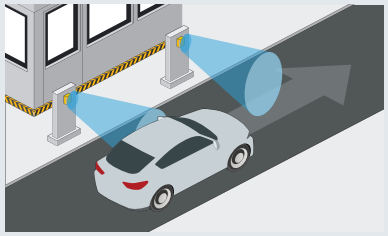
CP-IoT **CARDET-LD** **CARDET-501**

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.