

# P02-NW Smart Parking Sensor



## Product description:

NHR's in-ground type mmWave detection parking occupancy sensing system can accurately sense the occupant status of parking space(s) by fully integrated mmWave reflection sensing and backup by magnetometer sensing Independently. As soon as a vehicle stay-in or drive-away the parking space, occupancy of the parking space is reported to the management platform wirelessly. The applications are on-street parking, illegal parking detection, handicap parking, VIPs parking management, car park...etc.

## Features & Benefits

- Pulsed radar(mmWave) sensing backup by magnetometer Independently, accurately senses the occupancy of parking space(s)
- SGS Certified IP68 water and dust proof (IEC60950-22 Certified)
- OTA firmware upgrade via BLE or NB-IoT
- Rapid sensor core replacement design
- NB-IoT global standard IoT protocol
- Calibration-free
- Patent-designed high performance antenna for 88% Max
- Extended service life with new ultra battery capacity design
- Taiwan Excellence Award 2019

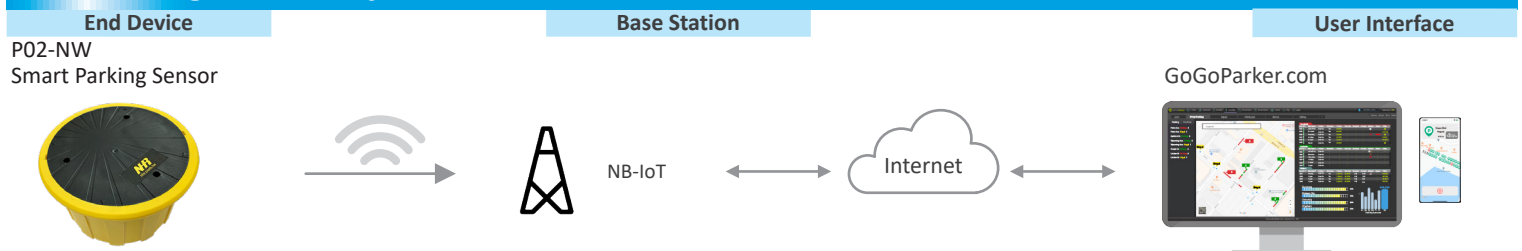
## Outlook and Dimensions



## Specifications

Detection Object	Compact car, SUV, and Motorcycle(by profile)	Compression	25-ton/ CNS13762
Detection Technology	mmWave / Magnetometer (Independently)	Anti-shock	IEC60950-1
Sensing Accuracy	Over 99% by SGS Laboratory	Dimension	(D)12 X (H)6.8 cm / (D)4.7 X (H)2.7 inches
Installation	In-ground	Weight	588g / 20.7oz
IoT Protocol	NB-IoT	Battery Life	Up to 5 years(Conditional)
Operating Bands	B28/B28/B5/B20/B8/B3	Operating Temperature	-20 to 75°C
Antenna Design	Patent-dedicated antenna	Certification	NCC(PLMN11), CE, FCC pending
Power Supply	Industrial battery pack @ 38AH	Configuration	BLE/ NB-IoT
IP Grade	IP68 / IEC60950-22	Application Platform	GoGoParker

## Smart Parking Sensor Complete Solution



## Remark

Note:  
All sensors are backup by Magnetometer sensing.  
Standard color is yellow and black.  
Product specifications are subject to change without notice



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