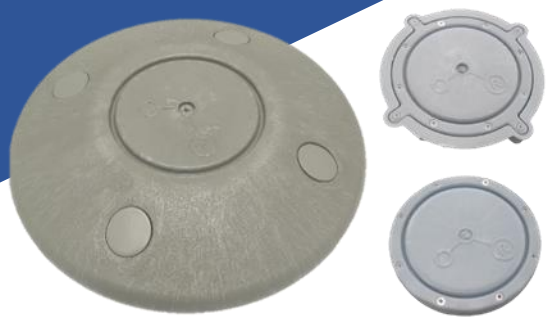
CICICOM SMART PARKING SENSOR S-LG-I3 (Nb-IoT) (2.2)

WITH TRIPLE DETECTION TECHNOLOGY



S-LGI3 accurately detects parking events (≥ 97%) (2.4) and filters out magnetic interference using triple detection technology.
Sensors and algorithms are tuned for ultra-low power consumption, via Nb-IoT protocol (2.12) providing continuous vehicle detection and complete monitoring of parking spots

Battery life up to 7 years* (2.11)

OTA firmware update and settings customization via BLE

Parked vehicle identification via portable tag pairing

Highly configurable through downlink commands and a mobile app

Detection sensors failure alert
Sound alert for system errors

The sensor transmits data every time the parking spot becomes occupied or vacant and on configurable intervals thereafter. The sensor informs about the current occupancy status, battery voltage and temperature in each message sent.

* Battery life depends on environmental conditions and use. Under average circumstances , an average of 30 messages per day using Nb-IoT communication

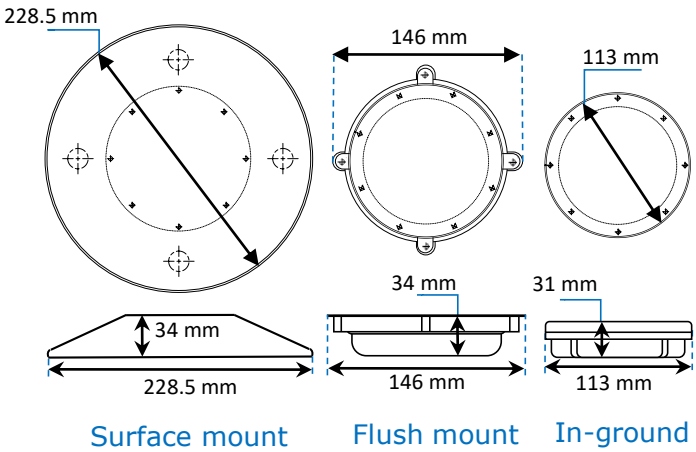
KEY FEATURES

- Accurate real-time vehicle detection for Petrol, Diesel and Electrical vehicles (2.7) using magnetic sensor (2.3), motion detection and 60GHz radar technology.
- Sensor auto-calibration on frequent intervals. (2.14)
- System error and status logging
- Surface mount, in-ground or flush mount (2.10)
- In-ground model installation using epoxy or flush mount with easily removable core
- Operating temperature: -40°C to 85°C (2.5)
- Relative humidity: up to 100% (2.6)
- Vehicle identification applicable for handicapped and resident parking spots via portable tags (3.7)
- Mobile App, available for integration and testing process, enables OTA firmware update via BLE (2.19), parameter configuration and functionality testing
- Battery level and health monitoring (2.13)

Nb-IoT SPECIFICS

- Frequency bands: B1, B3, B5, B8, B20, B28
- Long range coverage (Tx: 23dBm±2.7dB)
- Supports IPv4 and IPv6
- Supports UDP and MQTT communication protocols (2.17)
- Supports DTLS through CoAP (2.18)
- Supports 3GPP Release 15 (2.16)

SENSOR DRAWING



CERTIFICATIONS

- CE Red (2.21) (2.22)
- IK10 (2.9) (2.10)
- IP68/IPx9K (2.8)

IK10 RATED · IP68 RATED · IPx9K RATED