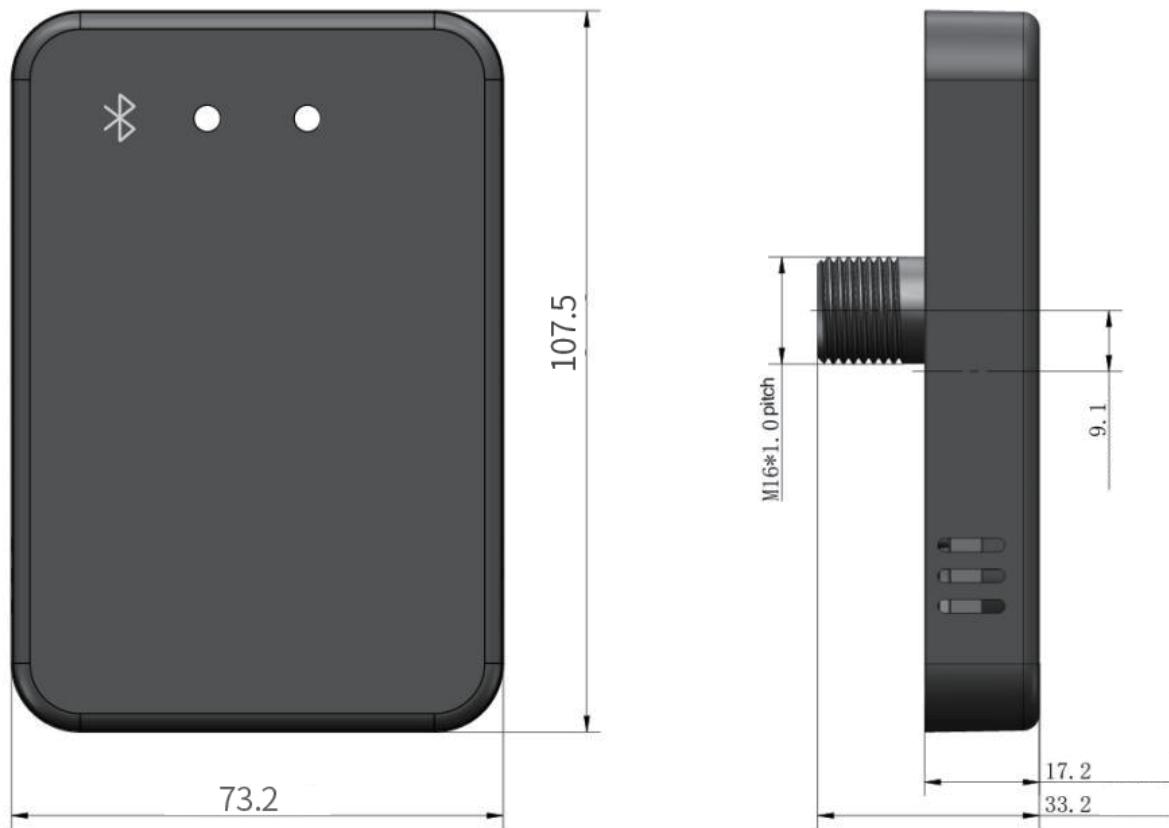


## OT-RAD

# VEHICLE DETECTION



Vehicle detection sensor is developed for the entrance and exit management of parking lots or underground garages. It can precisely control the rising and falling of the barrier arm by cooperating with the gate main control unit , which could effectively avoid the "accidental injury" of the gate arm to the passing vehicles or pedestrians which in the sensor field of view, and realize intelligent anti fall function.

The appearance of sensor is shown in Figure 1. The main features are:

● LED indicators:

There are two LED indicators on the front of sensor .

The red LED is the power state lamp which will stay on when the power supply is turned on. The green LED is the operating status lamp which will be automatically trigger on when objects detected in the access area and it goes off when there is no objects.

● Detection zone configuration:

The default detection zone of the sensor is 3 meters front and 0.5 meters on the left and right sides( $\pm 0.5\text{m}$ ). Different detection areas can be configured via mobile APP or debugging software running on computer.

● Configuration parameters saving and reload:

Configuration such as detection area could be automatically saved, and the latest configuration parameters after power failure and restart will be reloaded.

● Firmware upgrade:

The firmware can be upgraded online through RS-485 or APP interface with host computer without taking off the cover board and the new firmware can take effect just by restarting the power of radar.

● Stable performance:

Millimeter wave sensing capablitly stay nearly the same under different light illuminations, climates such as rain, fog or snow and dust.

Terms	Parameter	Value
Working Condition	Input Voltage	9 ~ 24V
	Temperature Range	-40°C ~ 85°C
	Power	< 2.5W
	Water Rissistance Level	IP66
	Connection Interface	RS485; Bluetooth
	Size	107.5*73.2*18mm
	Unit Gross Weight	138g(without packing)

Detection Zone	Left/Right side	Default $\pm 0.5\text{m}$ (configurable within $\pm 1.5\text{m}$ )
	Front	Default 3m (configurable within 6 m)
Upgrade & Debug	Online debug	Serial Port/ Bluetooth Debug
	Online upgrade	Serial Port/ Bluetooth Upgrade
Application type	For all types of parking barrier arm	