



ITS-AX1

Vehicle Detector



Support various booms



Introduction

This vehicle detector is developed for the parking access control. By communicating with the main board of the barrier gate system, it can realize intelligent anti-smash. Compared to the loop detector, it offers flexible installation and low construction costs. Users could set parameters by mobile app (Radar Assistant) when connecting with Bluetooth.

Specifications

Mode	ITS-AX1
Working Voltage(V)	9-24V DC
Detection Distance	2-6m
Detection Width	0.5-1.5m left/right
Working Frequency	79GHz
Working Current	0.2A
Power Consumption(W)	≤2.5
Connection Interface	Bluetooth/RS485/Relay
Size(mm)	107.9*73.6*17.2mm
Weight	137g
Working Temperature Range(°C)	-40°C-85°C
Protection Level	IP66
Azimuth (°) (-6dB)	±45°
Elevation (°) (-6dB)	±9°
EIRP(dBm)	12.5



Features

- All weather condition working capability ;
- Supports vehicle and people detection ;
- Straight boom (default);
- Supports Bluetooth communication, upgrade and debug by mobile App (Radar Assistant);
- Supports RS485 communication, upgrade and debug by PC;
- Flexible installation;
- Easy debugging

Dimensions(mm)



Note:

- Ensure stable power supply to avoid affecting the radar performance.
- Make sure there is no objects (such as metal fence, billboard, license plate recognition camera, wall, etc.) in the radar detection field to avoid the interference.
- This product is not recommended to be deployed on muddy roads.
- Can not support sliding doors.
- Vehicles can not be detected by the radar sensor at a speed $\geq 15\text{km/h}$.