

GAC-201R

Vehicle Detector Radar



GAC201R vehicle detector radar is a sirim approval non-contact detection device for targets such as vehicles and pedestrians. It works in the millimeter wave band. The radar detector transmit linear frequency-modulated continuous wave signals to the target to perform high-speed real-time processing on the target's reflected echoes to achieve fast target Detection. The Radar Vehicle Detector has the advantages of convenient installation and maintenance, no need to damage the road surface, no impact on vehicle access, advanced technology, reliable and stable operation, high cost performance, convenient setting of working distance, all-weather and all-weather work, compatible with straight poles and billboards/fence Advantages such as brake lever application.

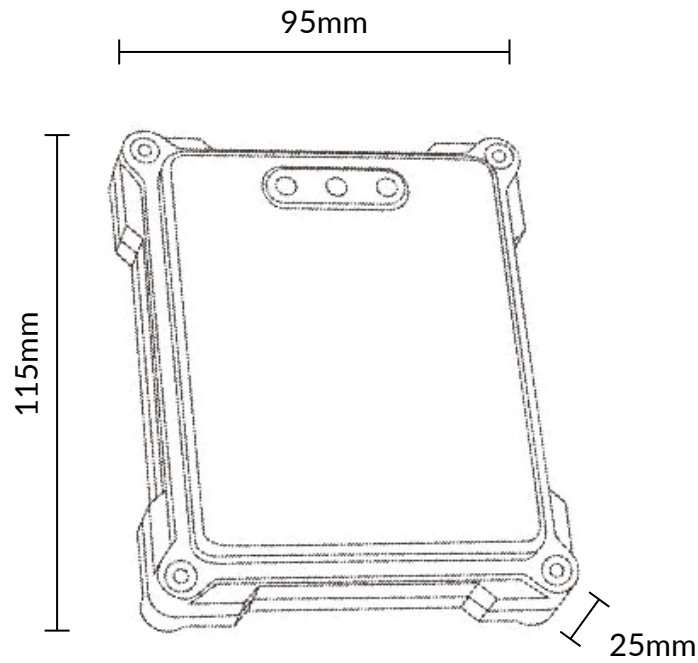
Features

- Blind Zone without Detection Distance
- All-weather Work
- Detection Accuracy
- Work Reliability
- Installation Flexibility
- Low Cost to Install and Maintain
- Convenient Power Supply
- Use Environment Adaptability

Technical Specification

Unit Model	GAC-201R
Input Voltage	DC12V 150mA
Working Frequency	24GHz
Modulation Mode	FMCW
Sending Power	10-15dBm
Horizontal Beam	<30°
Vertical Beam	<17°
Detection Distance	1 – 6 meters, ±0.1 meters
Human Detection Width	about 1.5 meters (center area)
Working Temperature	-40°C~+85°C
Protection Level	IP67

Dimension Diagram



Installation Diagram

- 1) When applied to vehicle detection, the optimal height of the detector center from the road surface is 50cm for small vehicles and 60cm for big trucks.
- 2) The barrier casing must be fixed firmly to prevent the casing from shaking when the barrier is working.
- 3) Within the detection distance, there must be no obstacles except the barrier pole, such as road cones, isolation column, signs, etc..

