

GAC-201R

Vehicle Detector Radar



Type Approval Code:
RAZG/47A/0821/S(21-1651)
Application Number: **SQASI/TA/21/1651**

The GAC201R Vehicle Detector Radar is a SIRIM-approved, non-contact detection device designed for targets such as vehicles and pedestrians. Operating in the millimeter-wave band, it transmits linear frequency-modulated continuous wave signals to detect targets. The radar performs high-speed, real-time processing of reflected echoes to achieve fast and accurate target detection.

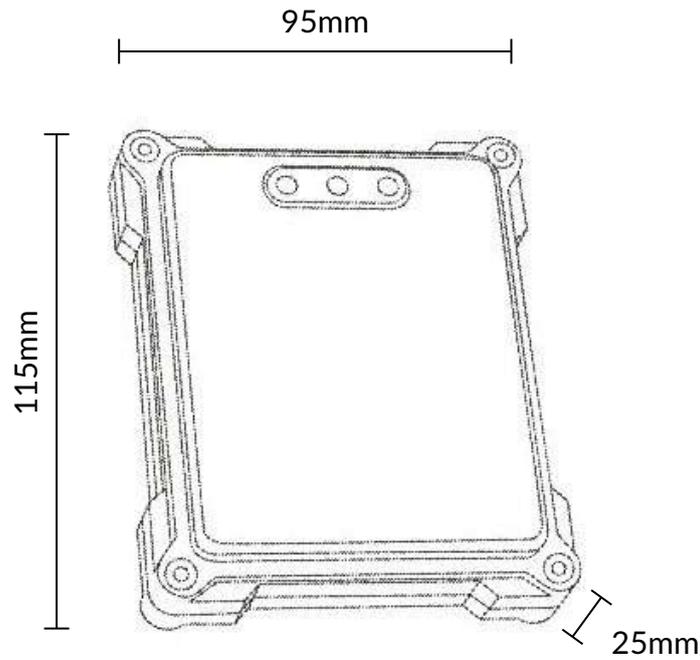
Features

- 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 to 24.25GHz
Modulation Mode	FMCW
Sending Power	10-12dBm
Horizontal Beam	35°± 5°
Vertical Beam	15°± 3°
Detection Distance	1 – 6 meters, ±0.1 meters
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..

