

## DS-TMG034 Series Barrier Gate Anti-Fall Radar

### Introduction

DS-TMG034 Series Barrier Gate Anti-Fall Radar, with advanced microwave and high-speed digital signal processing technology, features in high precision, free debugging, high reliability, etc.

It can be applied in parking lot and entrance and exit of underground garage to effectively prevent the boom pole of the barrier gate from falling down when there is vehicle or pedestrian passing. It plays an important role of the intelligent parking system.



### Key Feature

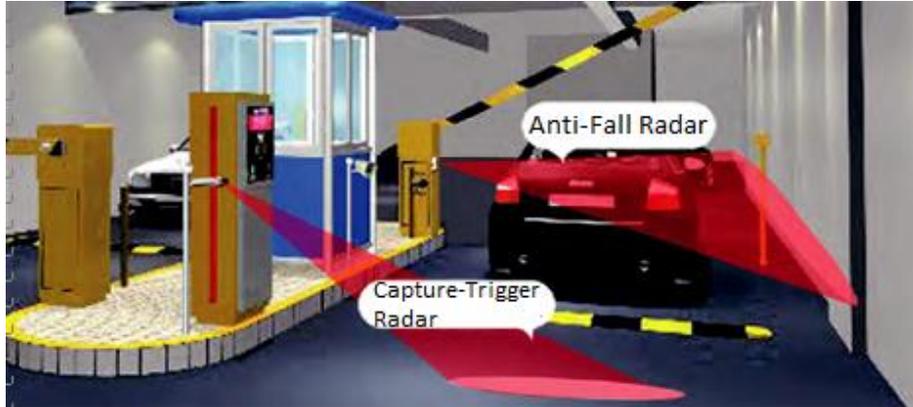
- 79 GHz MMIC with higher resolution and more stable detection.
- Adopted with latest algorithm to filter the interference to radar from the advertising barrier, applicable to advertising barrier, fence, and straight boom pole.
- Able to recognize the target moving direction, applicable to mixed entrance and exit scenes.
- Adjustable detection distance and width with convenient operation and strong universality.
- Free of learning, applicable to more complex environments.
- Communication via RS-485 or Wi-Fi. Wi-Fi version is equipped with mobile phone application, with which you can debug and upgrade the radar with convenient operation.
- Convenient installation and maintenance with low manual workload and short working hour.
- Adopted with advanced signal processing technology to detect pedestrian and vehicle stably and prevent the boom pole of the barrier gate from falling down when there is pedestrian and vehicle passing.
- Adopted with LED indicators to indicate the radar working status.
- Able to record the configuration parameters of radar automatically. The working status can be restored after the power of the radar is cut off and the radar is rebooted.
- Strong environmental adaptability without influence of the electromagnetic interference, illumination, dust, rain, snow, etc. towards the detection performance.



## Available Model

DS-TMG034

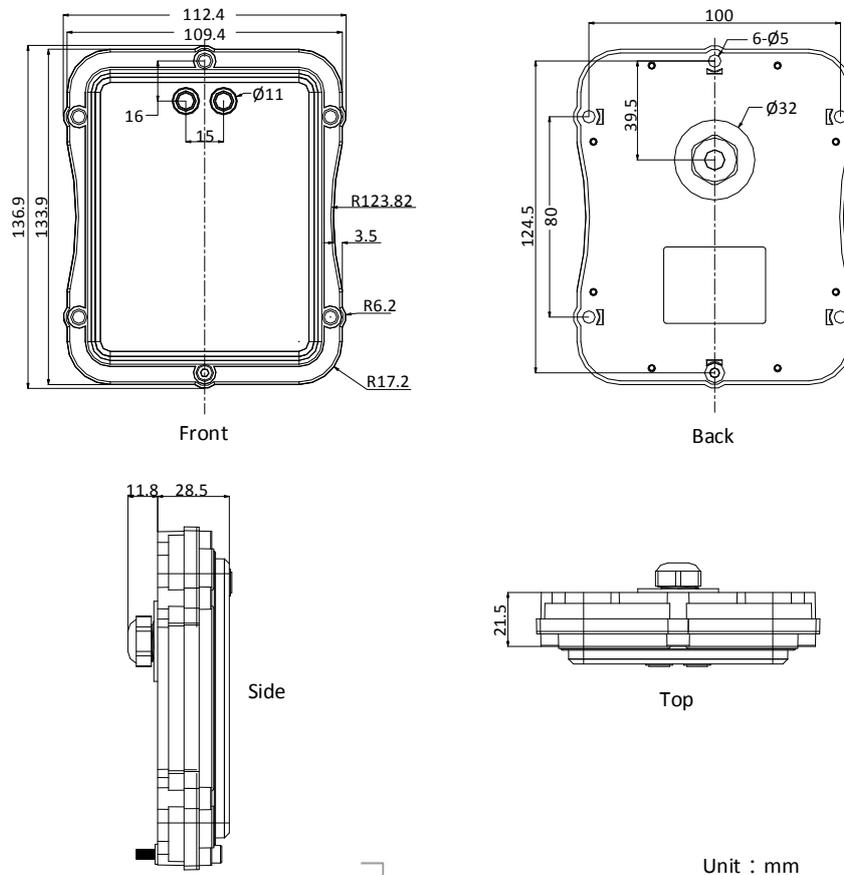
## Typical Application



## Specification

<b>Technical Parameters</b>	Transmitting Frequency	79 GHz
	Transmitting Power	≤ 10 mW
	Beamwidth	Vertical: ±10°, Horizontal: ±38°
	Response Time	50 ms
	Anti-Fall Width	Horizontal width: 0 to 2 m (adjustable)
	Lane Width	0.3 to 6 m (adjustable)
	Detection Target	Pedestrian/vehicle (selectable)
	Online Debug	Serial port/Wi-Fi
	Online Upgrade	Serial port
<b>Power Supply</b>	Working Voltage	9 to 12 VDC
	Working Current	< 0.25 A
	Consumption	< 3 W
<b>General</b>	Working Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
	Dimension (L × W × H)	112.4 × 136.9 × 29 mm (4.4 × 5.4 × 1.1 inch)

## Dimension



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