DS-TMG035
79GHz Entrance & Exit Radar



- 79 GHz MMIC with higher resolution and more stable detection.
- 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.

▪ Specification

Entrance and Exit Radar	
Beamwidth	Vertical 10°, Horizontal 38°
Response Time (ms)	50ms
Trigger Distance (m)	0.3 to 6 m (adjustable)
Detection Area (m)	Horizontal width: 0 to 2 m (adjustable)
Detection Target	Trigger Mode ：Vehicle Anti-fall Mode ：Vehicle/Person
Online Debug	Serial port/Wi-Fi
Online Upgrade	Serial port/Wi-Fi upgrade
Transmitting Power	≤ 10mW
Area Vehicle Following	Distinguish following distance of vehicle: 0.5 to 2 m (adjustable)
General	
Working Temperature and Humidity	-40℃ ~+85℃ ;
Working Current	＜ 0.25A
Working Voltage	9 to 12 VDC (With power adapter)
Power Consumption	＜ 3W
Package Dimensions	Trigger Radar: 160 × 160 × 850 mm (6.3 × 6.3 × 33.5 inch)(L× W × H) Anti-fall Radar: 148 × 115 × 65 mm (5.83 × 4.53 × 2.56 inch) (L × W × H)
Dimensions	96 × 60 × 29 mm (3.78 × 2.36 × 1.14 inch)
Protection	IP67
Weight (with Package)	1.1 kg (2.43 lb.)

▪ Dimension



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www.hikvision.com
support@hikvision.com

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