

DS-TMG035(Trigger Radar)

Hikvision 79GHz Entrance & Exit radar

Product Overview

Hikvision 79GHz Entrance & Exit radar, DS-TMG035, Vertical 10 degrees & horizontal 38 degrees beamwidth, 50ms response time, 0.1 to 6m trigger distance, IP67 protection, Able to recognize the target moving direction, Communication via RS-485 or Wi-Fi



Specifications

Overview Summary:

The Hikvision DS-TMG035 is a 79GHz entrance and exit radar designed for reliable vehicle detection and barrier gate applications. With adjustable trigger distance, direction recognition, fast 50ms response time and IP67 protection, it provides dependable detection in demanding environments.

Ideal for parking access and vehicle entry or exit systems in South Africa, the DS-TMG035 supports RS-485 or Wi-Fi communication for convenient setup and maintenance. Buy now or shop now for a reliable trigger radar solution.

Performance tier:Professional

Uses:parking barriers, vehicle entrance detection, vehicle exit detection, access control systems, barrier gate safety, parking management systems

Overview:

Hikvision DS-TMG035 79GHz Entrance and Exit Trigger Radar

The Hikvision DS-TMG035 is a 79GHz entrance and exit radar designed for reliable vehicle and pedestrian detection in barrier gate and access control applications. Using high-resolution MMIC radar technology, it provides stable detection and can identify the direction in which a target is moving, making it suitable for areas where entrance and exit traffic may be mixed. With adjustable detection distance and width, the radar can be configured for different installation environments while maintaining dependable operation.

Description:

The Hikvision DS-TMG035 79GHz trigger radar uses advanced signal processing to detect pedestrians and vehicles as they

approach or pass through a barrier gate. Its directional detection capability helps distinguish whether a target is entering or exiting, reducing the risk of unwanted barrier operation. The radar does not require a learning process, allowing it to be deployed in more complex environments without lengthy setup procedures.

The DS-TMG035 is designed for outdoor use, with IP67 protection and strong resistance to environmental conditions such as rain, snow, dust, lighting changes and electromagnetic interference. This makes it a practical choice for parking entrances, exits and other automated access control points where consistent detection is required.

Communication is available through RS-485 or Wi-Fi, depending on the version. The Wi-Fi version can be configured and maintained using a mobile phone application, providing a convenient way to adjust settings, troubleshoot the radar and perform upgrades.

Features:

Reliable 79GHz Radar Detection

Operating at 79GHz, the DS-TMG035 uses MMIC radar technology to provide higher-resolution and more stable target detection. Its 50ms response time supports fast detection of vehicles and pedestrians moving through the monitored area.

The radar can automatically retain its configuration parameters, allowing its working state to be restored after a power interruption or reboot. LED indicators provide a quick visual indication of the radar's current operating status.

Entrance and Exit Direction Recognition

The DS-TMG035 can recognize the movement direction of detected targets. This is particularly useful for barrier gates and access control systems where vehicles may approach from different directions or where entrance and exit traffic needs to be distinguished.

Its adjustable detection settings also allow the monitored area to be adapted to the specific installation, helping provide greater flexibility across different gate layouts and access points.

Barrier Gate Safety Detection

Advanced signal processing enables the radar to detect both pedestrians and vehicles reliably. When installed with a compatible barrier gate, it can help prevent the boom pole from closing when a pedestrian or vehicle is passing through the detection area.

This provides an additional layer of safety for automated parking systems, vehicle entrances and controlled access points.

Flexible Installation and Communication

The DS-TMG035 is designed to simplify installation and ongoing maintenance, helping reduce manual setup time. Communication is supported through RS-485 or Wi-Fi, providing flexibility when integrating the radar into different access control environments.

Key technical details include:

- Operating frequency: 79GHz
- Beamwidth: 10 degrees vertical and 38 degrees horizontal
- Response time: 50ms
- Trigger distance: 0.1 to 6m
- Protection rating: IP67
- Communication: RS-485 or Wi-Fi
- Target detection: Pedestrians and vehicles
- Direction recognition: Supported
- Detection distance and width: Adjustable

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Product Specification Sheet

- Configuration retention: Automatic parameter recording and restoration
- Status indication: LED indicators

Outdoor Environmental Performance

The Hikvision DS-TMG035 is built to maintain reliable detection in demanding outdoor conditions. Its radar-based sensing is designed to remain stable despite illumination changes, dust, rain, snow and electromagnetic interference, making it well suited to exposed vehicle access points.

The IP67-rated construction provides protection against dust and water ingress, supporting dependable operation in outdoor entrance and exit applications.

Suitable Applications

The DS-TMG035 can be used in a range of automated access and traffic management installations, including:

- Parking entrance and exit systems
- Barrier gate vehicle detection
- Vehicle access control
- Pedestrian and vehicle safety detection
- Automated parking facilities
- Mixed entrance and exit lanes
- Outdoor access points

For ordering and product identification, the Hikvision DS-TMG035 is supplied under Part Number / SKU DS-TMG035 (Trigger Radar).

Hikvision DS-TMG035 for Barrier Gate Detection

With 79GHz radar sensing, adjustable detection parameters, directional target recognition and multiple communication options, the Hikvision DS-TMG035 provides a flexible solution for entrance and exit detection. Its fast response, outdoor protection and resistance to common environmental interference make it suitable for reliable vehicle and pedestrian detection in modern barrier gate and access control systems.

Specifications:

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Specifications	
Product Code	DS-TMG035(Trigger Radar)
Entrance and Exit Radar	
Beamwidth	Vertical 10degrees, Horizontal 38degrees
Response Time (ms)	50ms
Trigger Distance (m)	0.1 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

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Product Specification Sheet

Transmitting Power	<= 10mW
Area Vehicle Following	Distinguish following distance of vehicle: 0.5 to 2 m (adjustable)
General	
Working Temperature and Humidity	-40degreesC~+85degreesC
Working Current	< 0.25A
Working Voltage	9 to 12 VDC(With power adapter)
Power Consumption	< 3W
Package Dimensions	Trigger Radar: 160 x 160 x 850 mm (6.3 x 6.3 x 33.5 inch)(L x W x H)
	Anti-fall Radar: 148 x 115 x 65 mm (5.83 x 4.53 x 2.56 inch) (L x W x H)
Dimensions	96 x 60 x 29 mm (3.78 x 2.36 x 1.14 inch)
Protection	IP67
Weight (with Package)	1.1 kg (2.43 lb.)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/DS-TMG035-Trigger-Radar-Hikvision-79GHz-Entrance-Exit-Buy-p-340584.php>

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