DHI-ITSJC-2202-DC12

79GHz Anti-smashing Radar



- Uses the latest detection algorithm, suitable for working with advertising barriers, fence arm barriers, straight arm barriers, and folding arm barriers.
- Supports upgrading through serial port and mobile app (with Wi-Fi connection), and allows online commissioning and firmware upgrade, providing ease of operation.
- No need of reading data of scenes, applicable to complicated scenes.

System Overview

The 79GHz anti-smashing radar adopts leading technologies of high-precision microwave measurement and high-speed digital signal processing, endowing it with high accuracy, free of commissioning, and high stability. The radar is ideal for working with boom barrier to monitor and control vehicles that enter and leave, and prevent the barrier arm from hitting the vehicles or pedestrians when it falls.

Functions

Compatible with various barriers

Uses the latest detection algorithm, suitable for advertising barriers, fence arm barriers, straight arm barriers, and folding arm barriers.

Adjustable detection range

Both detection distance and width are adjustable, ideal for a wide range of applications.

Easy for commissioning

Supports upgrading through serial port and mobile app (with Wi-Fi connection), and allows online commissioning and firmware upgrade, providing ease of operation.

No need of reading scene data

The radar does not need to read data of scenes, applicable to complicated scenes.

Technical Specification

Basic

Transmission Frequency	77 GHz–80 GHz
Transmission Power	≤10mW
Beamwidth	Vertical: ±10°, horizontal: ±36°
Response Time	50 ms
Detection Region	0.3 m–6 m (1.0 ft–19.7 ft) (adjustable)
Anti-smashing Region	0 m–2 m (0 ft–6.6 ft) (adjustable)

Function

Detection Target	Human, vehicle
Online Commissioning	Yes, through serial port or mobile app (with Wi-Fi connection)
Upgrade	Yes, through serial port or mobile app (with Wi-Fi connection)

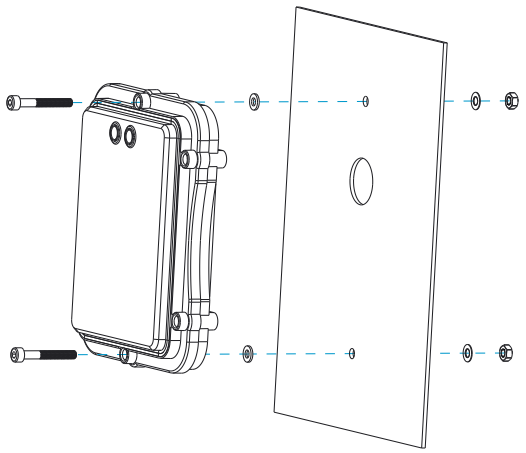
Port

RS-485	1
I/O	2 (1 for upgrade input, 1 for relay output)

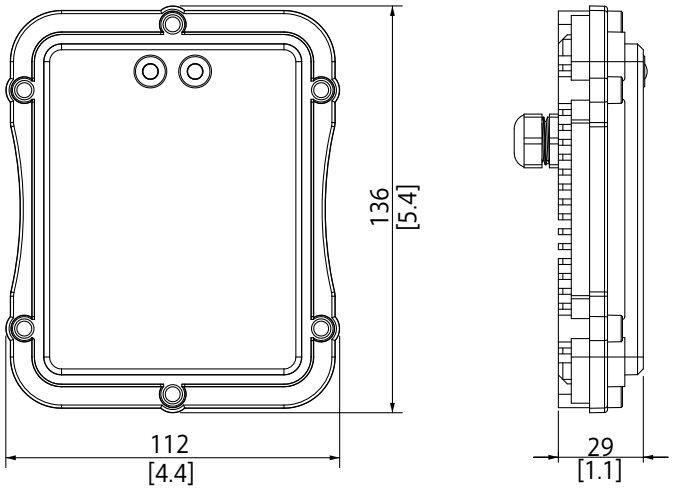
General

Operating Voltage	9V–12V DC
Operating Current	<0.25A
Power Consumption	<3W
Operating Temperature	–40°C to +85°C (–40°F to +185°F)
Dimensions	136 mm × 112 mm × 29 mm (5.4'' × 4.4'' × 1.1'') (L × W × H)
Net Weight	400 g (0.9 lb)
Gross Weight	500 g (1.1 lb)
Installation	Side installation on the barrier

Installation



Dimensions (mm[inch])



Ordering Information

Type	Model	Description
Anti-smashing radar	DHI-ITSJC-2202-DC12	79GHz Industry-specific Anti-smashing Radar

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