

DS-TDSB00-EKT/4m 4 m Fall Detection Radar

Introduction

Fall detection radar adopts MIMO, beamforming, group tracking, KNN type identification, and other technologies. It can obtain target information, including person location, speed, posture, etc., and can provide non-contact and non-privacy fall detection via point cloud data.

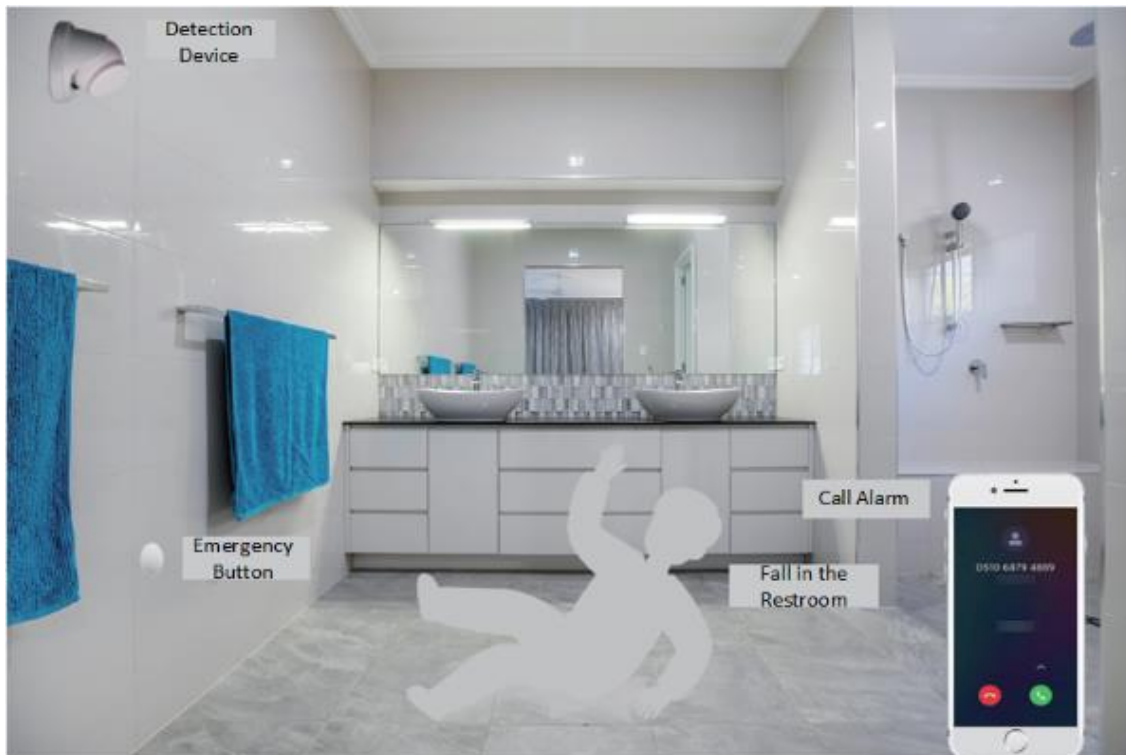
Fall detection radar can be applied to private spaces, such as shower rooms and restrooms. It can also be used in elderly care, home, community, and other fields to promptly alarm when it detects falls and reduce personal injury.

Key Feature

- High detection accuracy and low false alarm rate.
- Detects person and non-person in the area.
- Non-contact posture detection.
- Small size, light, easy installation to embed to other devices.



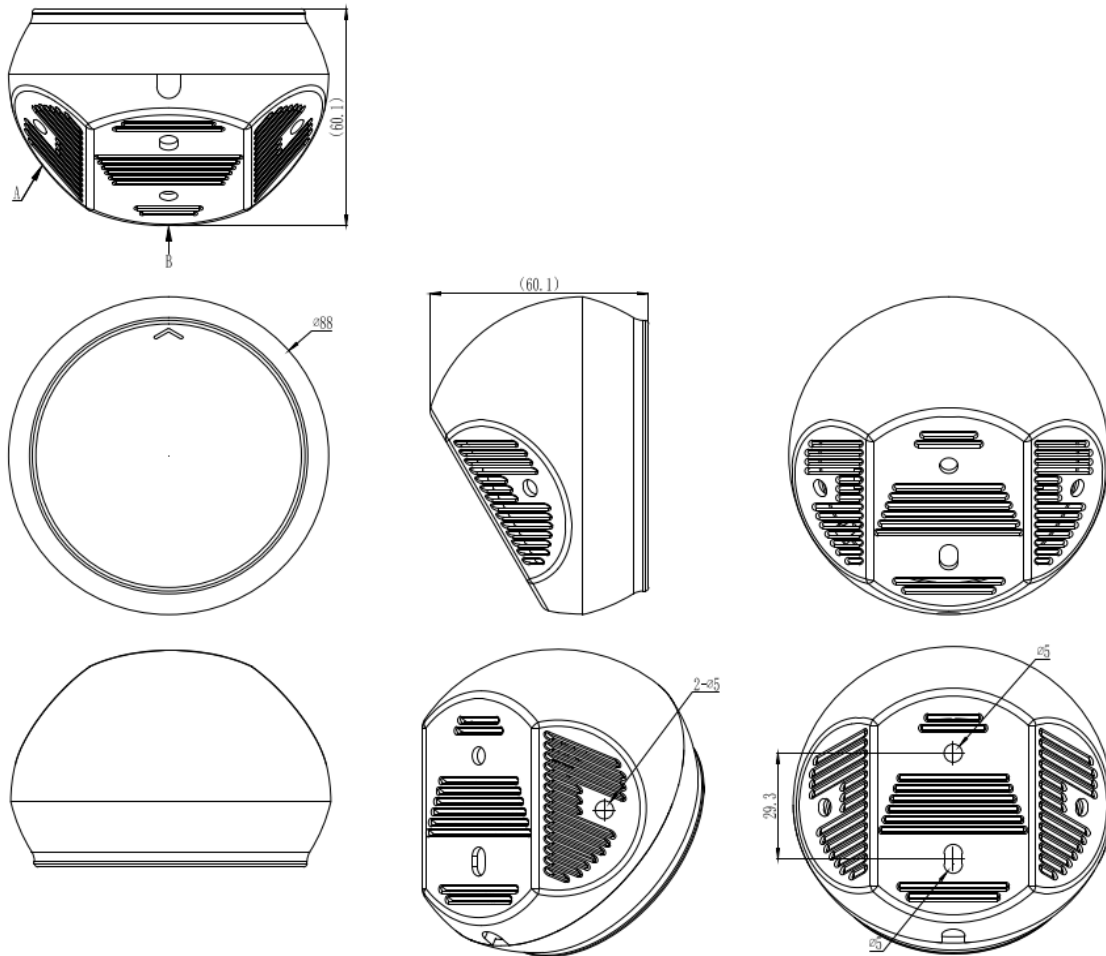
Typical Application



Specification

Working Frequency	60 to 64 GHz
Modulation Wave	FMCW
Frequency Span	2 GHz
Detection Range	4 m
Data Cycle	70 ms
Horizontal FoV	-45° to 45°
Vertical FoV	-45° to 45°
Communication Interface	RS-485
Working Voltage	9 to 12 VDC
Working Electric Current	≤ 200 mA @ 12 VDC
Working Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Weight	133 g

Dimension



Distributed by

Unit: mm

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