Infineon XENSIV™ Radar Entrance counter
Entrance counter – Introduction

Infineon Entrance Counter with 60GHz XENSIV™ Radar inside provides visibility of the number of people entering, leaving, and inside a facility.

The ability to measure and analyse the human traffic in your location is part of understanding and managing your business further, such as understanding peak times, heavy traffic routes, and customer shopping habits.

+ COVID-19

“Where people come together in crowds, you are more likely to come into close contact with someone that has COVID-19”

World Health organisation May 2020
Entrance counter solution based on Infineon 60 GHz radar

Solution High-level introduction:
- Solution **accurately counts people** moving in and out of entrance with **one single sensor**
- Provide information **how many people are inside a facility** any time
- **Prevents overcrowding** and therefore supports **social distancing**

Already operational:
Solution already successfully installed at Infineon Headquaters Restaurant (seat capacity 1000 people)
- Counts people moving in and out of canteen
- Provides Green „Go-Ahead“ if entering is allowed
- Cloud based information how crowded the canteen currently is

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Target use cases:

› Retail & restaurants (to ensure max number of people inside)
› Smart buildings (building mgmt/ control)
› Meeting room occupancy
› Office space occupancy (free seat availability)
Entrance Counter – Turnkey Solution

Infineon Turnkey Solution

Radar Turnkey Solution
- 60 GHz Radar
- PSoC6 µC – Entrance counter solution

Connectivity Board

IoT Server

Customer Platform

Connected Display/traffic light

Laptop/ Mobile devices

Infineon
BGT60TR13C

Cypress
CY8C6247FDI-D02T

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