# Socionext SC1233AR3 - 24GHz 2D Radar Sensor

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# Example use case

**Entry Motion/ Presence Detection**

The internal processing engine calculates & outputs the Motion Detection (Entry Motion / Presence Detection) result through a DETOUT pin.

**Entry Motion Detection**



**Presence Detection**



**Distance Detection**

The internal processing engine calculates & outputs the distance to the moving objects through I2C or SPI.



**Angle Detection**

Angle of the detected object can be calculated in the ext. MCU and be used for sector-level detection.

