CernexWave Object Detection Radar Subsystem
Model# CSR2408RAD

The CSR2408RAD is a highly integrated 24GHz radar sensor module solution using a high performance radar chipset and a low power consumption FPGA.

This radar sensor solution is suitable for any object detector applications with wider azimuth angle, such as driving safety, home/building security, robotics, civil engineering services and more.

MIMO (multi input multi output) radar technology enables higher precision and a wider azimuth angle for radar applications.

Specifications:
- Radar type: MIMO FMCW 24GHz
- Antenna: 2 Tx and 4 Rx
- Azimuth cover range: ±45 degrees
- Scan speed: 0.16s (max), @Microsoft Surface3
- Detection range: 80m (min), @Car detection case
- Output power: 3 steps, -4/-2/8dBm
- Module size: 104mm(W)×76mm(H)×6mm(D), inc. MIMO antenna
- Interface: USB2.0, micro USB connector
- Power supply: DC+5V, 1.5A (max), via micro USB connector
- Operation temperature: -20 to 60 °C