

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:

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| ● 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 | 3steps, -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 |

