

Radar Sensor

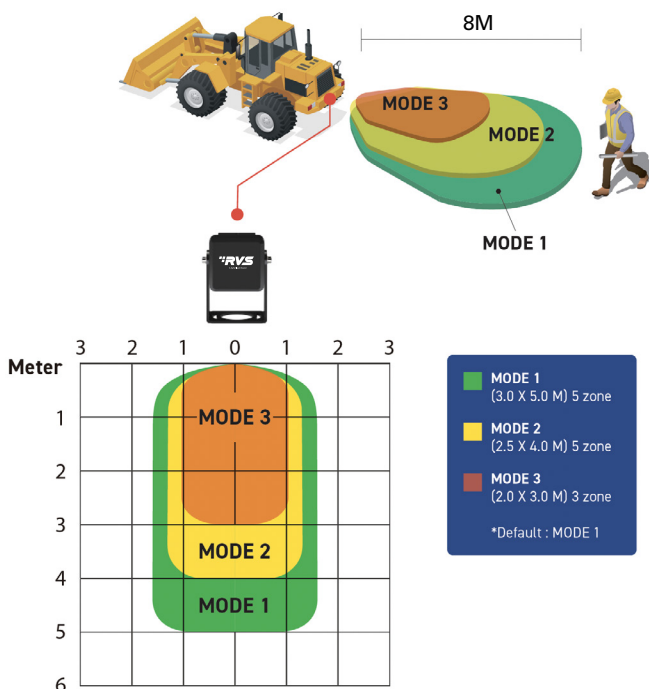
Forward Facing Radar Object Detection System For Commercial Vehicles

RVS-0505

Your work vehicles are as tough as they come, and our powerfully compact Object Detection System is just as rugged. Built to outperform similar systems in its class, the polycarbonate housing, small footprint, IP69K waterproof/ dust-proof rating, and 15G vibration rating ensure that it functions in harsh industrial & weather conditions. FMCW (frequency-modulated continuous wave) technology detects and visually/audibly alerts operators of stationary objects and people in blind spots up to 8 meters (~26.2 feet) away. Mounted to the front of the vehicle, the system's ability to determine whether an object is approaching or moving away from the sensor helps limit false detections caused by objects of little threat in busy work sites.



Three Detection Zone Modes



Radar Sensor Specification

Transmit frequency	24.05 ~ 24.25 GHz (Complies FCC, CE, KC)
Modulation	FMCW (Frequency Modulated Continuous Wave)
Supply voltage	12 ~ 32V DC
Current	320 mA@12V
Power on time	300 ms
Detection time	200 ms
Communication	CAN-Bus
Operating temperature	-40 ~ 85°C
IP protection rate	IP69K
Vibration	15 G
Housing material	Polycarbonate
Dimension	43.6(W) x 43.6(L) x 33.1(H) mm
Weight	175 g W/O bracket 240 g with bracket

Display Unit Specification

Detection Zone	Mode 1 - 2 (5 zones) & Mode 3 (3 zones)
Speaker	3 x different volume level to be selected
Operating Temp.	-30°C ~ +70°C
Cable Length	0.7 Meter
Connector	4P Screw Lock type
Housing material	Polycarbonate
Dimension	20(W) x 65(L) x 54(H) mm
Weight	220g with bracket