

System	
Configuration	1 sensor
Compliance	ISO 15623:2002, Transport Information and Control Systems—Forward Vehicle Collision Warning System
Regulatory	Complies with SRRC, NCC, FCC, ETSI
Active Speed	10 km/h and greater, programmable
Relative Detection Speed (approaching/receding/both)	100 km/h
Relative Detection Speed Accuracy	0.25 km/h (typical)
Detected Range Accuracy	± 0.25 m (typical)
Maximum Detection Range (depending on antenna pattern)	Trucks: 180 m Passenger cars: 100 m Motorcycles/bicycles: 40 m
Alert Setting	By TTC & PET & distance, programmable
Simultaneously Tracked Objects	Up to 32
HMI (Human-Machine Interface)	Multi-level warning; up to 4 levels
Power Consumption	400 mA @ 12 V (maximum)
Voltage Range	9 V–16 V for 12 V systems, optional for 24 V systems
Ambient Operating Temperature	–40 °C to +85 °C
Water Proofing	IP 67
Dimensions	122 mm × 87 mm × 36 mm (L × H × D)
RF	
Configuration	1TX and 2RX
Antenna Angle – Horizontal/Vertical	± 35°/± 6°
Transmitted EIRP	20 dBm (maximum)
Power Control	6 dBm to 20 dBm EIRP
Rx SNR	10 dB (minimum)

Features

- Single sensor for forward-vehicle and object detection
- Automotive-grade with proven track record by multiple car makers
- Operational in all weather conditions
- Complies with warning coverage per ISO 15623 specifications
- Multi-level warning HMI, including visual and auditory alerts
- Multiple tracking of up to 32 objects
- Programmable alert zone for different driving preferences

Brand : Wistron

Model : UMD-RF01



Harnesses

ECU

Radar

HMI