

*Create Zero Accident.. !*

# Radar Forward Collision Warning

Forward collision warning can alert you of an impending collision with a slower moving or stationary car in front of you.



## 5 A Warning Solution

### Forward Collision Warning

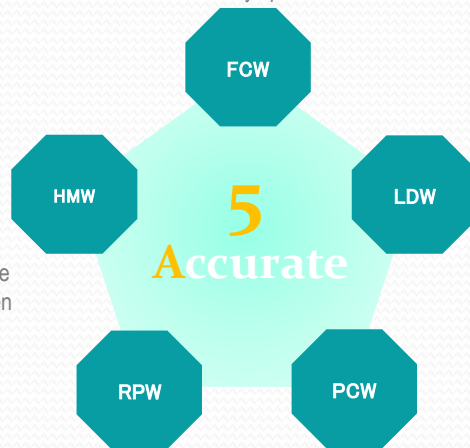
FCW can avoid rear-end accidents effectively. The system will promptly issue an emergency alert to remind the driver when almost having collision accident with the forward car at any speed

### Headway Monitoring/ Following Time Warning

HMW can prevent rear-end accidents. Show the following time when behind other vehicles. When time reduces, remind drivers to slow down to maintain the safe distance between vehicles.

### Lane Departure Warning

LDW can reduce the accident effectively due to lane departure. Detect both side of the lane, alarm to remind drivers when vehicle offsets the lane without playing turn signal



### Roadside Pedestrian and Bycle Warning

RPW specially used a city downtown to give way for pedestrians to avoid accident. Detect the near walking flexible pedestrians to warn the driver to make way for them

### Pedestrian and Bicycle Collision Warning

PCW can avoid collision with pedestrians or bicycles. Detect pedestrians and bicycle in front, timely alert to remind the driver when vehicle have collision with pedestrians or bicycles.

Harnesses



Bracket

Radar



Speed Learning Sets

HMI



# Features

- Scans the road 20 times per seconds up to 500 feet ahead
- Active detection, high accuracy
- Detects all types of vehicles in front, including bicycles and motorbikes, human, animal (metal objects)
- Easy installation, no drill holes
- Works effectively in all weather conditions – day or night
- Gives you up to 5 seconds of extra reaction time
- Programmable alert zone for different driving preferences

System	
Configuration	1 master sensor + 1 slave sensor
Compliance	ISO 17387:2008, intelligent transport systems—Lane Change Decision Aid Systems (LCDAS), type I
Regulatory	Complies with SRRC, NCC, FCC, ETSI
Active Speed	10 km/h (minimum)
Relative Detection Speed	± 250 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: 90 m Passenger cars: 45 m Motorcycles/bicycles: 20 m
Alert Range	3 m to 14 m programmable
Simultaneously Tracked Objects	Up to 32
HMI (Human-Machine Interface)	Two level warnings Level 1: LED; Level 2: LED blinking + buzzer
Power Consumption	600 mA @ 12 V (maximum)
Voltage Range	9 V to 16 V for 12 V systems, optional for 24 V systems
Ambient Operating Temperature	-40 °C to +85 °C
Water Proofing	IP 67
Dimensions	Master/slave: 144 mm × 98 mm × 23 mm (L × H × D)

RF	
Configuration	1Tx and 2Rx for each master and slave sensor
Antenna Angle – Horizontal/Vertical	± 60°/± 6°
Transmitted EIRP	20 dBm (maximum)
Power Control	6 dBm to 20 dBm EIRP
Rx SNR	10 dB (minimum)

Brand : Wistron  
Model : UMD-RT06



<http://news.wnc.com.tw>