






ADAS System Solution

- General

Wieson Advanced Driver Assistance Systems (ADAS) is providing alert for the driver in the potentially dangerous situation. The driver can take action to correct it prevent of any collision or damage. The ADAS system provides comprehensive functions: Forward Collision Warning (FCW), Urban Forward Collision Warning (UFCW), Pedestrian Collision Warning (PCW), Lane Departure Warning (LDW) and Headway Monitoring and Warning (HMW).

Wieson ADAS system is designed for passenger cars, commercial vehicles, buses, trucks, heavy vehicles..... etc. based on a single camera mounted on the front windshield. It offers numerous life-saving warnings, protecting the driver against the distraction.

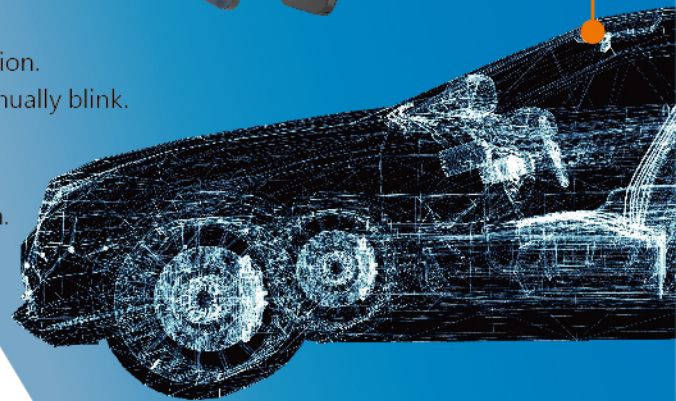
- Feature

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 - Forward Collision Warning (FCW)
 - Active : $30 \text{ km/hr} \leq \text{Speed} \leq 200 \text{ km/hr}$, 2.7 sec before the collision.
 - Alert : Series of loud, high-pitched sounds with Indicator continually blink.
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 - Urban Forward Collision Warning (UFCW)
 - Active : $0 \text{ km/hr} < \text{Speed} < 30 \text{ km/hr}$, 2.7 sec before the collision.
 - Alert : High-pitched sounds with twice shortly loud with indicator flash twice.
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 - Pedestrian Collision Warning (PCW)
 - Active : $7 \text{ km/hr} < \text{speed} < 50 \text{ km/hr}$, a possible coision to pedestrian ahead.
 - Alert : 2 series of loud, high-pitched sounds with indicator blink twice.
 - NOTE : PCW WILL NOT ACTIVE DURING NIGHT-TIME OR DARK ENVIRONMENT.*
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 - Lane Departure Warning (LDW)
 - Active : $\text{Speed} > 65 \text{ km/hr}$ when driver unintentional departure from the driving lane w/o turn signals.
 - Alert : A series of sharp warning beeps with indicator continually flashes.
 - NOTE : LDW FUNCTION WILL NOT ACTIVE with LANES UN-MARKED/ POOLY MARKED.*
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 - Headway Monitoring and Warning (HMW)
 - Active : $\text{Speed} \geq 30 \text{ km/hr}$ when vehicle front with dangerously short distance.
 - Alert : A single chime with indicators scintillation once.

- Applications -



ADAS Xeye



- Specification

- Working Voltage : DC 12V ~ 28V
- Max Power consumption : 5.2W
- CPU : 32 bit CPU
- SRAM : 512KB on chip
- CMOS : 1/3" CMOS Sensor
- FOV : 38° (H)
- Focus Range : 5M ~ Infinity
- Buzzer : 86db @ 10cm
- Working Temperature : -20 °C ~ 85 °C
- Storage Temperature : -40 °C ~ 105 °C



IoV T-Box/G-Box System Solution

- General

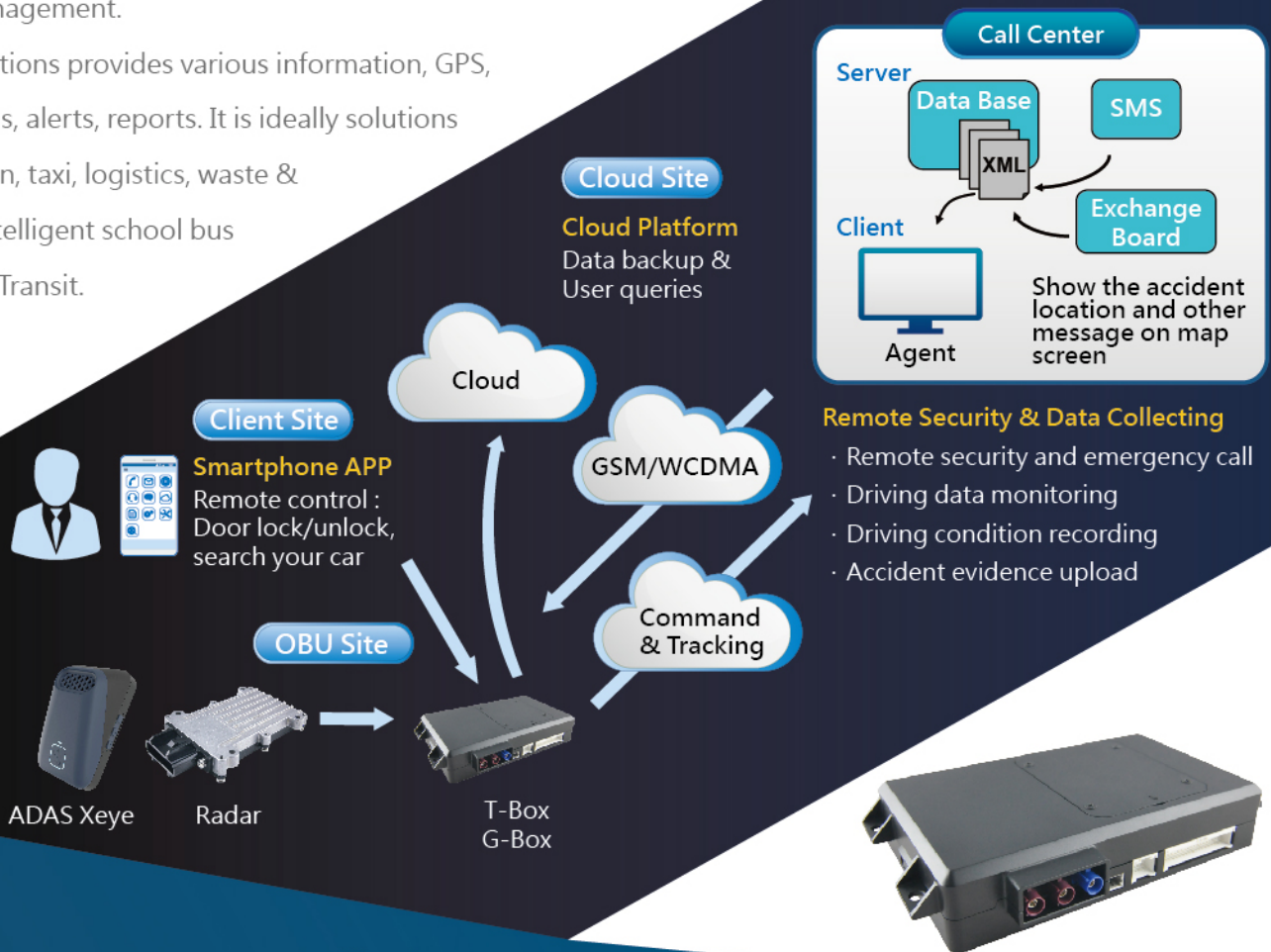
Wieson IoV solutions is able to connect to Internet providing GPS location and vehicle data information to service center for tracking and emergency connections.

It also provides a mobile phone APP for personal monitoring.

Could combine ADAS Xeye, Radar...etc., become a complete IoV system for fleet management.

The IoV solutions provides various information, GPS, vehicle status, alerts, reports. It is ideally solutions for cold chain, taxi, logistics, waste & recycling, intelligent school bus and cash-in Transit.

- Applications -



Feature :

- All Components are Automotive Grade Compliant
- Emergency Call & Tracking
- 3G/4G Wireless Transmission
- Networking sharing
- Remote control & Tracking

Specification :

- CPU : ARM base CPU
- MCU : 16bit/32bit MCU
- ROM : 512KB~1GB
- RAM : 1GB ~ 2GB
- CAN : Support CAN Bus 2.0
- GPS : GPS+BD/GPS+GNSS
- G-sensor : 3 axis, X/Y/Z
- 4G LTE : GSM900/GSM1800, CDMA BC0/BC1, WCDMA B1/B8, TD-SCDMA B34/B39, FDD LTE B01/B03, TDD-LTE B38/B39/B4
- Working Voltage : DC 9V ~ 16V
- Working Temperature : -40°C ~ +85°C
- Storage Temperature : -40°C ~ +90°C

