mobias

ADAS SOLUTIONS

ADAS

ADAS solutions give drivers a safer driving experience with real-time warnings, reduce traffic accidents, and increas road safety. Our ADAS Solutions work on WeLog hardware platform and WeLogger mobile application. They give real time warnings to drivers, fleet managers and infrastructure   providers.

ADAS Warnings

Forward Collision Warning

Pedestrian Collision Warning

Lane Departure Warning

Pothole Detection Warning

Driver Monitoring System (Coming Soon)

Over Speed Warning (Coming Soon)

Traffic Light Warning (Coming Soon)

Data Acquisition
Processing vehicle data using edge computing with AI-based models and transferring to the server

Remote Data Storage
Collected raw and processed data are stored on local servers or cloud

ADAS Warning
Real-time warnings for forward collision (FCW), pedestrian collision (PCW), lane departure (LDW), pothole detection (PDW), and others

V2X
Transmitting real-time warning data to surrounding phones, infrastructure and various devices via the internet

MOBIAS
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WeLog

WeLog is a connected and scalable AI Video Telematics Device with ADAS warning capability that can be easily retrofitted into any vehicle. It features powerful edge computing for fused perception, location, and in-vehicle network data. WeLog enhances road safety by providing ADAS warnings, detecting road surface defects, and other functionalities. It processes vehicle and sensor data with AI algorithms and sends them to the cloud or local servers. It can also communicate warning data via V2X capability to phones, infrastructure, and various devices over the internet. It can be used as a hardware platform to implement your software development.

Processor Unit

- Wifi / Bluetooth
- IMU (6 DOF)
- Cellular Connectivity (2G, 3G, 4G LTE)
- CAN-Bus Module
- Powerful AI Computing Unit

Camera Unit

- ADAS Warning Indicator and Speaker
- Forward Facing Camera
- Driver Monitoring Camera (Optional)
- GNSS

WeLogger

Experience advanced road safety with the WeLogger real-time ADAS warnings mobile application. With WeLogger, you receive critical warnings for forward collisions, pedestrian risks, and unintentionally lane changes on your mobile device. Its user-friendly interface allows you to customize warning sensitivities and toggle notifications on/off according to your preferences. It utilizes V2X 4G communication technology. WeLogger delivers real-time warning messages from nearby vehicles, keeping you informed about potential dangers around such as pedestrian collision warning. Stay ahead of hazards and ensure a safer journey with WeLogger!

- Road Safety
- Driver Scoring
- Usage-Based Insurance

Object Detection