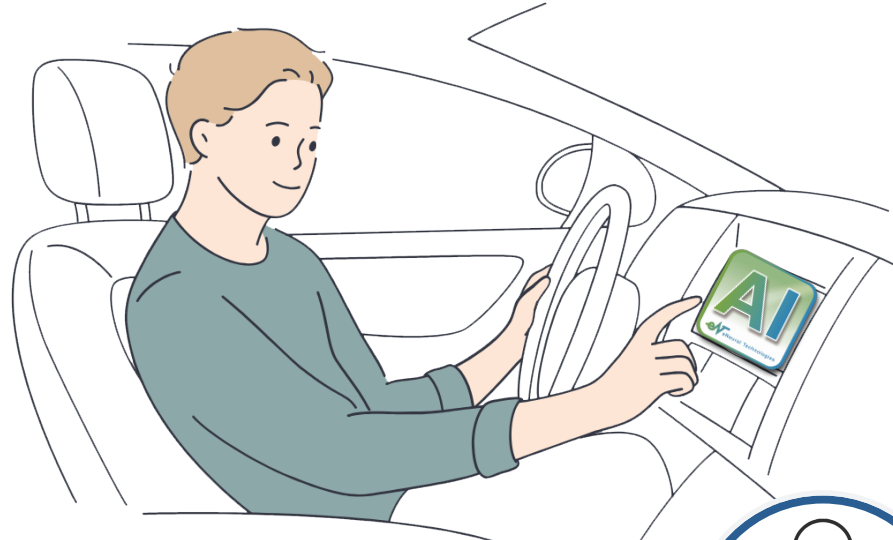


# ADAS BUDDY



-  Offline Functionality
-  Privacy Focused
-  Faster Respons

ADAS Buddy is a new intelligent driving assistant system designed to enhance driving safety and reduce the occurrence of traffic accidents. eNeural team leverages sensor information and combines their own innova-

tive technology to provide real-time detection and warnings of potential hazards, such as when the driver exhibits signs of fatigue, the system can use sound to alert the driver to take a break before continuing to drive. In addition, ADAS Buddy also comes with voice interaction mode, allowing drivers to focus on the driving situation, reducing the risk of accidents caused by distraction. These intelligent technologies' integration will provide drivers with a safer and more comfortable driving experience.



Driver Monitoring System



Blind Spot Detection



Blind Spot Information System

## AI Technologies for DMS (Using Behavior Recognition)

eNeural Technologies, Inc. found that traditional object detection technology cannot fully cover all scenarios by Driver Monitoring System (DMS) standards. To meet broader demands, we have developed a new version of the DMS system based on behavioral models, which, after being compressed on the embedded platform, still maintains a 100% detection accuracy for fatigue and mobile phone usage events.

Using end to end multiple behavior recognition for DMS warning



Distract, no seatbelt, phone



Drowsy, no seatbelt, and phone



## Events that model can detect



Tired



Speech



Laugh



Eat



Rub Eyes



single hand driving



Yawn



Smoke



Sing



Phone




Seat Belt



Sneeze

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