



# Driver Monitoring System



## About Product

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A driver monitoring system uses neural network technology that monitors a driver's behavior and activities while operating a vehicle. The purpose of this system is to ensure the safety of the driver, passengers, and other people on the road.



## Product Specifications


**CPU:** Quad-core ARM Cortex-A57 Processor  
**GPU:** NVIDIA Maxwell architecture with 128 NVIDIA CUDA Cores  
**Memory:** 4 GB 64-bit LPDDR4, 1600MHz 25.6 GB/s  
 16 GB eMMC  
 Expandable SD-Card support upto 2TB




## Features



**Driver Drowsiness Detection**  
 Alerts drivers who are too tired or sleepy to drive safely




**Driver Distraction Detection**  
 Alerts driver when distracted while driving.




**Driver Mobile Usage Detection**  
 Provides Warning to driver who are using their mobile phones while driving.




**Driver Smoking/Drinking Detection**  
 Provides Warning to drivers who are under the influence of alcohol or smoking while driving




**Driver Identification**  
 Identify the driver of a vehicle based on face detection algorithm



**Event Logging**  
 Provides the log of the events or alerts that occurred



**CAN Interface Support**  
 Uses real time CAN data (speed) and provides alert accordingly



**Video Recording**  
 Provides recorded videos for further processing or investigations