



Driver Fatigue Monitoring System



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Why the DFMS solution?

Driver fatigue is one of the main causes of accidents.
It is particularly dangerous and can happen to anyone.

The DFMS-system constantly monitors the driving behavior and status of the driver. In addition, it immediately warns in the event of abnormal driving behavior, so the risk of accidents is reduced.

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How does it work?

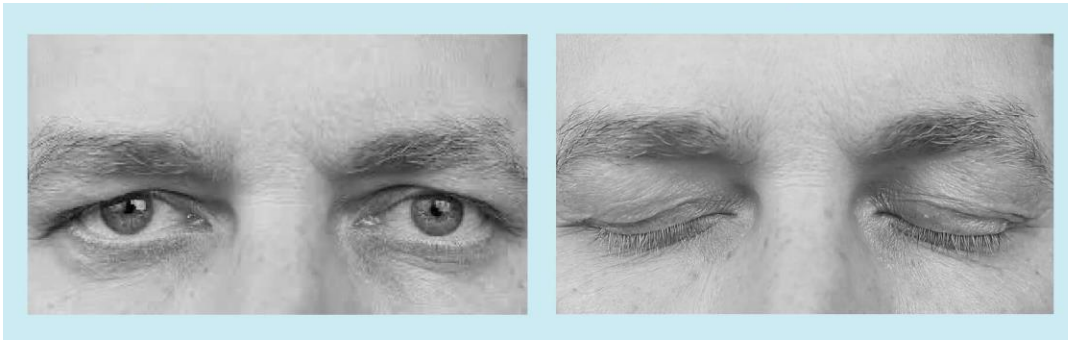
The system, based on facial recognition, collects images of the driver's face through the camera to determine the position of the head and to collect current facial features. These images are then compared to different models of abnormal driving behavior in the database to identify the current status of the driver.

In the event that abnormal driving behavior is detected like fatigue, smoking, calling, this will activate a light and audible alarm.

Detection of fatigue and diversion

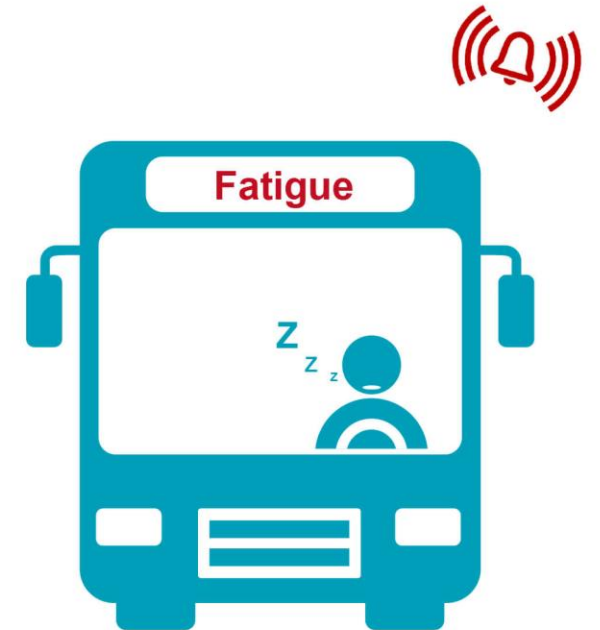
- Fatigue

The state of the driver is identified through following the eyes and looking how open/closed they are.



-Diversion

When the driver's line of sight deviates from the direction of travel, the system will also activate an alarm.



Detection of calling and smoking

In the event of detection of any other abnormal driving behavior like smoking or calling, an alarm will be activated.



2 models

- TV-DFMS : Driver Fatigue Monitoring System
- TV-DFMS/GPS-4G: Basis Driver Fatigue Monitoring System with GPS and 4G.

Thanks to GPS it is possible to make the system work from 30km/h. The location and speed of the vehicle are registered by the system and it automatically stops working at a speed lower than 5km/h.

4G gives you the possibility to follow along with the images through your computer.

Characteristics

- Detection of fatigue
- Detection of diversion
- Detection of abnormal driving behavior (calling/smoking)
- 720 P camera
- 1x 128GB micro SD card for recordings
- Option GPS and 4G
- 9 – 36V





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