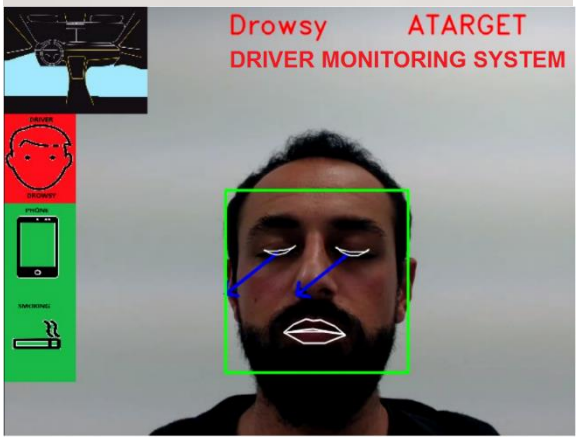
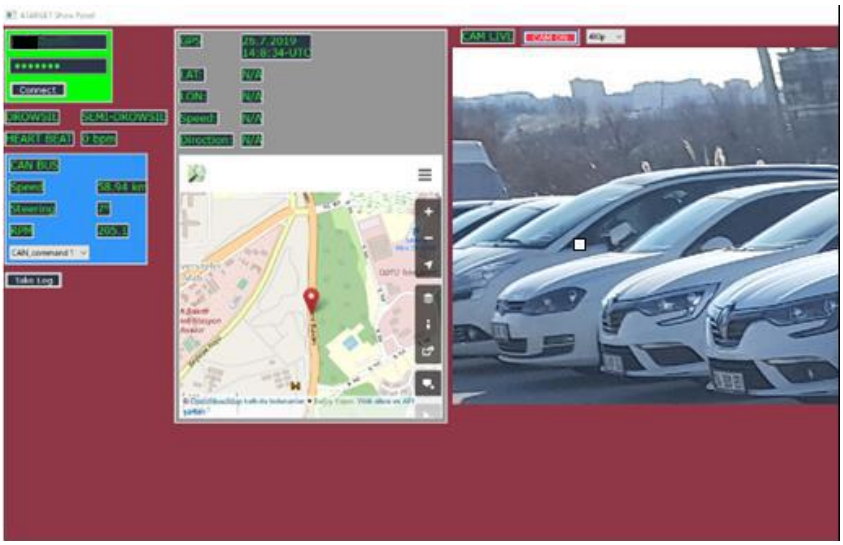
ATARGET – DMS Driver Monitoring System

ATARGET-DMS is a modular hardware-software complete solution for driver monitoring system (DMS) for vehicle-based systems. It is a state-of-the-art system with a number of features based on AI and DNN architecture. It uses single or multiple cameras depending on the application while single camera is sufficient for most of the tasks. DMS includes driver recognition, driver drowsiness detection, telephone and cigarette smoking alert, driver gaze control and gadget control by gaze features. System alerts can be given by sound and visual clues. Integrated GPS is used to track the vehicle course on a map. The system has a live connection to the command center where both the driver and vehicle condition can be observed in real-time. This system not only transfers the necessary data but driver camera video in real-time. ATARGET-DMS is a system where fleet managers will find extremely useful.



EASY and FUNCTIONAL USER INTERFACE



Features:

1. Driver Recognition
2. Drowsy Detection
3. Sunglass Identification
4. Telephone/cigarette Alarm
5. Attention Region
6. Obstacle Detection
7. High Accuracy

ATARGET-DMS system can be reached from anywhere thanks to its M2M link through Satellite/GSM communication. User interface has an authentication window for secure connection. GPS parameters for the vehicle can be observed as well as the position of the vehicle on the map. Driver drowsiness is also observed on the interface. Users can select to have a live video connection to the vehicle.

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ADVANCED HARDWARE-SOFTWARE SOLUTION

ATARGET-DMS is composed of a hardware system which is easily integrated with the vehicle. There is no special connection requirement except power and camera placement. System software is composed of several units for both detection and information management.

Properties

*Driver recognition and vehicle functions adjustment
*Driver drowsiness detection
*Telephone/cigarette detection
*Remote connection and data logging
*Live data and video connection (optional)
* Vehicle information from CAN Bus (optional)
* GPS
*Vehicle position on map
*SWAP optimum
*Mobile solution

HARDWARE

A. Physical Size
• 10 x 8x 6 cm
•Antenna size 14 cm

B. Interface
•USB 3.0
•Gigabit Ethernet
•HDMI out
•Display port

C.Power
•Battery : 12V DC

SOFTWARE

A. Properties
• Live video (optional)
• CAN data (optional)
• GPS position
• Log, save and replay

B. Parameters
•Live Image on/off
•Video Record on/off

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