

Driver Monitor

Under development

Detects unsafe driving conditions by analyzing the driver's facial and eye movements captured by cameras, and provides driver monitoring functions to enhance safety and security

Background or Assignment

Driver inattention is a main cause of traffic accidents. As a countermeasure, driver monitors that detect the driver conditions using cameras are increasingly being installed in vehicles. By combining Yazaki's HMI products with driver monitors, we provide greater security and safety.

Solutions to Challenges

- 1 Detects driver distraction, drowsiness, and postural collapse in compliance with the laws and guidelines in each country.
- 2 Improves vehicle mountability by using thin and compact cameras.
- 3 Provides proper information meeting the driver conditions using HMI products

Main performance, specifications, and structure

Laws and regulations	Compliant with laws and guidelines in each country
Detection function	Judgment of driver conditions (distraction, drowsiness, postural collapse, smartphone calls, sudden changes in physical condition, etc.) Eye openness, face coordinates, eye coordinates, face orientation, sight line, mouth open/close state, face recognition, accessory wearing/unwearing, camera occlusion, etc.

