



Driver Monitoring

Driver Monitoring systems enable contact-free interaction between man and machine. Therefore a camera-based system analyzes gaze, facial expression and the physical condition of the driver. Even for small-series applications, new possibilities arise in the field of driving safety, interior space personalization and control of applications by gestures.

Technical Information

- › Operates in complete darkness by using infrared illumination (wavelength 850 or 940 nm)
- › Automatic extrinsic calibration
- › Driving Monitoring: Scalable from mono to multi-camera system

Customer Benefits

- › Interior Camera for permanent monitoring of the driver status
- › Head pose recognition for auto adjustment of head-up display, mirrors etc.
- › Gaze target recognition (e. g. mirror) to ensure traffic attentiveness
- › Drowsiness classification for awareness ability while AD functions
- › Face recognition for personalization and anti-theft protection