

DRIVER STATE MONITOR

OUTSTANDING FEATURES & FUNCTIONALITIES

- *Intelligent image monitoring/tracking algorithm*
- *Intuitively smart recognition system*
- *Detection and warning of drowsiness, negligence in looking ahead, and face departure while driving*
- *Cognitive operational scenario for early warning by both the indication LEDs and the warning alarms*
- *Infrared LEDs available at night and in tunnels*
- *Detection/distinction of glasses and sunglasses (excl. mirror-coated glasses and goggles)*
- *Adjustment of 3-step sensitivity*
- *Mute and 3-step volume control*
- *Mute mode for the state of 'Negligence in looking ahead' using the motion recognition function*
- *Enhancements and new features available through download firmware upgrade by a micro USB connector*
- *Works with both DC12V and 24V fitting to any cars*
- *Support of various USB accessories (LED warning lights and vibrators, etc.)*
- *Interoperability with external devices, such as car navigators and dash cams, etc. (option)*
- *External GSP (option)*
- *Connection to speed pulse (TBD on request)*
- *Vibrator & warning light (TBD on request)*

MAJOR SPECIFICATIONS

- *Micro BGA packaged Arm9 SoC*
- *¼-inch board lens*
- *CMOS image processor*
- *Ample data storage using serial flash memory*
- *Interface with an external I/O and USB (UVC)*
- *Invisible infrared LED*
- *Operation status LED (in green/blue/red)*
- *Micro speaker (min. 90dB)*
- *Voice IC for various warning and effective sounds, and pre-recorded announcements*
- *Protection circuitry for over-voltage/current, inverse voltage, and minimizing ripple noises*
- *Input voltage DC 12/24V*
- *Power consumption max. 2.5W*

DESIGNS & PACKAGES

- *Fancy and ergonomic design*
- *Slim and light-weighted compact size; small footprint allows not to block the driver's view*
- *Luxurious SF coated housings*
- *Exclusive cradle for easy installation and adjustments*
- *Environment friendly gift box*

OTHER INFORMATION

- *CE/FCC fully certified and RoHS compliance*
- *Recommended operating temperature at -20° to 70°C*
- *Physical dimensions (system at 92X24X46mm and gift box at 175X65X65mm)*
- *Net weight 80g (inclusive of the cradle)*

TARGET APPLICATIONS

- *Passenger cars & Campers*
- *Trucks & Buses*
- *Rental cars*
- *Car insurance industry*
- *Educational fields*
- *Mining industry*
- *Shipping & Aviation industries*
- *Factory & Workshops*
- *Security market*
- *Gift & bundling markets*
- *Convergence product market*



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- ✓ Specifications are subject to change without any prior notice for improvement.



<Recommended mounting locations in a car>