

## DRIVER FATIGUE MONITOR WARNING SYSTEM *MODEL : ES 03*

As Per DGMS  
Guidelines

Driver Fatigue Monitor Warning System – ES 03 is a Driver and Vehicle Safety Product which can accurately predict and warn for driver's sleeping in driving. It can also connect with GPS and send fatigue information to fleet management centre for managers to make better management and save more cost for the enterprise. ES 03 can be used by Bus companies, Mining companies, Transport companies & other Vehicle operators.



### HOW DOES IT WORKS :

- The ES 03 is installed in the vehicle not on the driver. The system is fully automatic, with no calibration or setup process required, meaning no additional driver training or changes to standard operating procedure.
- When the infrared camera/sensors simply monitor your pupil's changing characteristics, it never sleeps blinks or takes a break, and when you start exhibiting unsafe patterns, it sounds an alarm. Moreover, because we monitor the person and not the road, it works regardless of weather or roadway conditions log, snow, rain while driving in On or Off highway.
- The ES 03 focuses entirely on the driver alertness levels or inattention to the road ahead regardless of time of day or weather conditions. Making good drivers safer because they now have positive immediate feedback that they need to act.
- The ES 03, once deployed, can raise the driver's awareness of fatigue and distraction. Instant audio feedback is available to drivers when fatigue or distraction events are detected, but fatigue warnings are modulated such that the system cannot be abused to stay awake.

### FEATURES :

- Works around the clock, both in the dark or the sun.
- Works with sunglasses or prescription glasses.
- Leading face recognition technology, patented PERCLOS algorithms to warn the driver.
- Patented mesh membrane pupil detection technology detects open but sleepy eyes.
- In addition to fatigue driving, if the driver does not focus on driving the system will respond.
- Intelligent high-speed recognition, the system can identify when you are in an urban areas or on the expressway, the system will automatically raise the alarm sensitivity on expressway.
  - Compact, easy to install, will not affect the driver's field of view
  - Automatic sensitivity control, when the driver barely moves, the system will automatically raise the sensitivity. If he often turns his head, the alarm sensitivity will be automatically lowered, to reduce false alarms.
  - Facial feedback indicator, the green light is on when the angle between lens and human face is proper.

### Technical Specifications :

Power Required : 12 – 24 V DC, Power Consumption : 100 mA @ 12V & 60 mA @ 24V,  
Operating Temp. Range : - 45 C to + 85 C.