MINIEYE M4

主动安全预警系统

Collision Prevention and Driver Monitoring System

MINIEYE

深圳佑驾创新科技有限公司

功能参数 Features

前车碰撞预警Forward Collision Warning (FCW)

实时监测前方车距，最早可以在预计发生碰撞前2.7秒时警示驾驶员，以预防追尾事故。
Alert the driver of critical situation where a rear-end collision is imminent (within up to 2.7 seconds).

车道偏离预警Lane Departure Warning (LDW)

监测当前车道标线及车辆轨迹，在即将无意偏离车道时发出警报，提醒驾驶员保持安全车道行驶。
Alert the driver when the vehicle unintentionally departs from the driving lane.

车距监控预警Headway Monitoring and Warning (HMW)

显示前方车辆的车距（以秒为单位），在接近预设危险距离时告警。
Display the distance (in seconds) to the vehicle in front and alerts up the driver if the time becomes dangerously short.

城市前车碰撞预警Urban Forward Collision Warning (UFCW)

低速行驶时监测前方车距，当小于安全车距时提醒驾驶员避免擦碰。
Provide an alert before a possible low-speed collision with the vehicle in front, when the headway is equal or less than the set distance.

防疲劳预警Driver Monitoring System (DMS)

对驾驶员的疲劳驾驶、注意力分散、接听电话、抽烟等危险行为进行预警。
Alert the driver to dangerous behaviors like drowsy driving, distraction, making phone calls and smoking.

选配Optional :

行人碰撞预警Pedestrian Collision Warning (PCW)

识别前方行人并检测距离，在危险情况下发出警报，提醒驾驶员避免碰撞行人。
Provide an alert when a pedestrian crosses the vehicle’s path.

限速提醒Speed Limit Indication (SLI)

识别限速标志牌及其限速值，并在车辆超出规定限速时发出警报，以提醒安全行驶。
Detect various speed limit signs and provide an alert when the vehicle’s speed exceeds the posted speed limit.

前车启停提醒Stop & Go

近距停车时（比如排队等红灯）监测前方车辆，当前车由静止启动前行时提醒驾驶员及时启动，以按秩序行驶。
Notify the driver as soon as the road is clear after the vehicle slows down to a standstill.

急加速/急减速提醒Harsh Acceleration/Deceleration Warning (HAW/HDW)

车辆紧急加速/刹车时，提醒驾驶员合理控制速度，避免紧急变速造成安全风险。
Remind the driver to control the speed when he/she speeds up or slows down quickly.

急转弯提醒Harsh Cornering Warning (HCW)

车辆变道或以高速行驶弯道时，提醒驾驶员即时减速或减少转弯方向以避免事故发生。
Alert the driver when sharp cornering is detected.

产品规格 Technical Specification

硬件系统参数 Hardware Characteristics

处理器 CPU	Cortex-A53 8-Core, up to 2.0GHz
闪存 Flash Memory	16G Byte eMMC
内存 Memory	2G Byte LPDDR3
网络 Network	4G-LTE
WiFi	支持 Yes
蓝牙 Bluetooth	支持 Yes
GPS/北斗 GPS/BDS	支持 Yes
喇叭 Loudspeaker	支持 Yes
TF卡 TF Card	支持 Yes

ADAS摄像头模组 ADAS Camera Module

视觉传感器 Vision Sensor	AR0132 RGB
动态范围 Dynamic Range	>115dB
有效像素 Active Pixels	1280x960
快门类型 Shutter Type	Rolling shutter
视场角 Field of View	52°

防疲劳摄像头模组 (选配) DMS Camera Module (Optional)

有效像素 Active Pixels	1280×720
视场角 Field of View	水平75°，垂直41°，对角线88° Horizontal 75°,Vertical 41°,Diagonal 88°
红外波长 Infrared Wavelength	940nm

电气参数 Electrical Characteristics

额定电压 Input Voltage	9～36V DC
额定功率 Max Power Consumption	10W

结构参数 Structural Characteristics

主机尺寸 Main Unit Dimensions	116×81×43.4mm
摄像头可调角度 Windshield Angle Range	21°～90°
材质 Case Material	PC塑胶、铝合金 Plastic/ Aluminium Alloy
防疲劳模块尺寸 DMS Module Dimensions	68×65.6×68mm
摄像头可调角度 Windshield Angle Range	-20°～+40°
材质 Case Material	PC塑胶、铝合金 Plastic/ Aluminium Alloy
LED模块尺寸 LED Module Dimensions	51.5×52×25.8mm(折叠状态) Folding State 51.5×52×58.8mm(直立状态) Unfolding State
材质 Case Material	PC塑胶、铝合金 Plastic/ Aluminium Alloy

工作环境参数 Environmental Characteristics

工作温度 Operating Temperature	-20～70℃
工作湿度 Operating Humidity	10～90%RH

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销售热线：025-83221900