

Technical Specifications

Technical Specifications: In-Cab Guardian System Generation 2 (SM-FGSK-G2-LTE)

GUARDIAN CONTROLLER

PROCESSOR

ATOM® x5- E3940 1.80GHz Quad Core, 2GB of DRAM, 8GB eMMC storage, 32GB internal SD Card

OPERATING SYSTEM

Yocto Linux

CONNECTIVITY

In-Cab Sensor, Forward-Facing Camera, Vibration Motor, Serial GPS, Global 3G/4G, Nano SIM, RS232, USB 3.0, USB 2.0 OTG, Relay output, 1 x General purpose input, Micro HDMI

PERIPHERALS

In-Cab Sensor, Cellular antenna, GPS antenna, Forward-Facing Camera, Vibration Motor

ENVIRONMENTAL

Temperature -40 to 65° C

DRIVER ALERTS

Audio alert (dual piezo buzzer), Haptic alert (vibration motor), Manual record button

ELECTRICAL COMPLIANCE

Supply voltage: 10-30VDC, Power: 36W FCC, ICES-003, CE, RCM, RoHS. Further details in data sheet.

DIMENSIONS

Controller 182mm x 124mm x 43mm Controller with mounting pan 218mm x 146mm x 54mm

WEIGHT

Controller 620 g Controller with mounting pan 830 g

IN-CAB SENSOR

DIMENSIONS

200mm x 120mm x 145mm (With mounting arm and adhesive mount)

WEIGHT

630g (including 5m cable)

ENVIRONMENTAL

Temperature -40~85° C

FEATURES H47° x V36° field of view, 45 frames per second, +135° ~ 45 ° camera angle rotation (8° increments with standard bracket), 940nm IR illumination, Ambient light sensor, Monochrome sensor, 1280 x 960p resolution, In-built 9-axis inertial measurement unit (IMU), Adhesive or screw mount options.

FORWARD-FACING CAMERA

DIMENSIONS

72mm x 41mm x 40mm

WEIGHT

160g (including 7m cable)

ENVIRONMENTAL

Temperature -40~85° C

FEATURES

Colour sensor, H114° x V61° field of view, 71° camera angle rotation, 1280 x 800p resolution, up to 30 frames per second, VHB Foam Tape to Conform to Windscreen Curvature, Camera Angle Locking Screw, Status light.

VIBRATION MOTOR

DIMENSIONS

137mm x 55mm x 66mm

WEIGHT

685g (with 4m cable)

FEATURES

Rugged design, 3900 RPM, health feedback, allows install on round, square, flat bars or on flat surface using a screw mount

WARRANTY 24 Months