

# Preliminary Fever Detection Solution

## E-Guardian S408



### Features

- Quick preliminary fever screening without contact
- HMI & thermal camera integrated all-in-one solution
- Intuitive user interface with touchscreen and physical buttons
- AI human recognition for accurate temperature measurements
- On-screen & audio alerting system
- Blackbody & offset adjustment to enhance accuracy
- Slim design, easy deployment

System	
Measuring Distance	0.5M ~1M
Accuracy	±0.5°C (@25°C)( after calibration to environment)
Offset Adjustment	On-screen adjustment, ±5°C
System Power	5V/2A
HMI	
HMI Display	8" Capacitive touch screen
CPU	Quad-Core ARM Cortex-A53 1.0Ghz
OS	Android 7.0
Memory	3GB LPDDR2
Storage	16GB eMMC
Brightness	400 nits
Control	Reset button, Volume control
I/O	Micro USB (power connection) microSD card slot (max 64G) (for App, F/W upgrade)
LED	Power status LED
Thermal System	
Thermal Imaging	Lepton 2.5, on board
Spectral Range	Longwave infrared, 8µm to 14 µm
Array Format	80 x 60
Field of View	51° x 63.5° (H x D)
Power Jack	1 x 3-pin M8 power jack (IP67)
Button	Power button
LED	3-color LED; Pair, Link, Activity
Calibration	Blackbody, ±0.3°C
Blackbody Power	Power Input: DC5V/2.5A Power adapter: 5V/2.5A, 3M

Communication	
Wi-Fi	802.11 a/n/g/n
WiFi Antenna	Built-in dual band (2.4G/5G) chip antenna
Certifications	
Compliance	CE, FCC, NCC
Mechanical	
Dimensions	S408: 226.7 x 252.1 x 81.1 mm (W x H x D) Blackbody: 90 x 130 x 25.1 mm (W x H x D)
Net Weight	S408 w/ magnetic holders: 1.40 kg Blackbody: 0.46 kg
Working Temp.	15~30 °C
Storage Temp.	-10~50 °C
Package	
Contents	<ul style="list-style-type: none"> <li>• S408 (including Infrared camera, HMI, mounting plate, Y-power cable, S408 power adapter and 2 x magnetic holders, all preassembled)</li> <li>• Blackbody Calibrator, w/ power adapter</li> </ul>
Package Dimension	500 x 310 x 125 mm (L x W x H)
Weight	3.5 kg
Optional Accessories	2.8M Tripod, standard 1/4" thread) 1.5M Tripod, standard 1/4" thread)

All specifications are subject to change without notice. Last update: 01/09/2020



## Dimensions

