



# Preliminary Fever Detection Solution

## E-Guardian S408



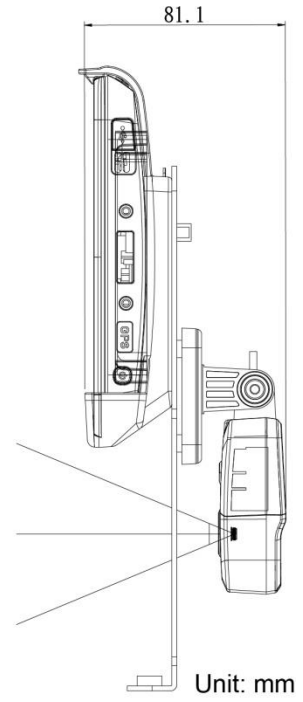
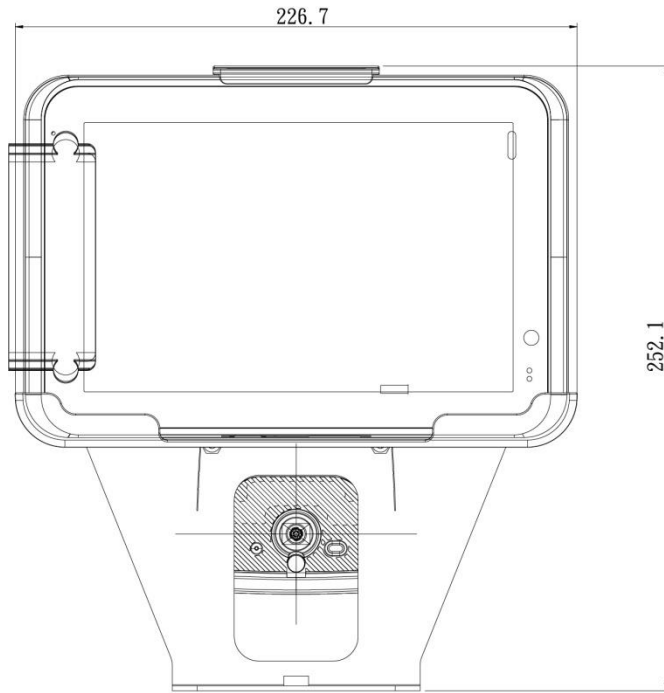
### Features

- 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

<b>System</b>		Calibration	Blackbody, $\pm 0.3^{\circ}\text{C}$
Measuring Distance	0.5M ~1M	Blackbody Power	Power Input: DC5V/2.5A Power adapter: 5V/2.5A, 3M
Accuracy	$\pm 0.5^{\circ}\text{C}$ (@25 $^{\circ}\text{C}$ )( after calibration to environment)	<b>Communication</b>	
Offset Adjustment	On-screen adjustment, $\pm 5^{\circ}\text{C}$	Wi-Fi	802.11 a/n/g/n
System Power	5V/2A	WiFi Antenna	Built-in dual band (2.4G/5G) chip antenna
<b>HMI</b>		<b>Certifications</b>	
HMI Display	8" Capacitive touch screen	Compliance	CE, FCC, NCC
CPU	Quad-Core ARM Cortex-A53 1.0Ghz	<b>Mechanical</b>	
OS	Android 7.0	Dimensions	S408: 226.7 x 252.1 x 81.1 mm (W x H x D) Blackbody: 90 x 130 x 33 mm (W x H x D)
Memory	3GB LPDDR2	Net Weight	S408 w/o magnetic holders: 1.40 kg S408 w/ magnetic holders: 1.59 kg Blackbody: 0.81 kg
Storage	16GB eMMC	Working Temp.	15~30 $^{\circ}\text{C}$
Brightness	400 nits	Storage Temp.	-10~50 $^{\circ}\text{C}$
Control	Reset button, Volume control	<b>Package</b>	
I/O	Micro USB (power connection) microSD card slot (max 64G) (for App upgrade)	Contents	<ul style="list-style-type: none"> <li>• S408 (including Infrared camera, HMI, mounting plate, Y-power cable and 2 x magnetic holders, all preassembled)</li> <li>• S408 Universal Power Adapter</li> <li>• Blackbody Calibrator, w/ power adapter</li> </ul>
LED	Power status LED	Package Dimension	500 x 310 x 125 mm (L x W x H)
<b>Thermal System</b>		Weight	3.5 kg
Thermal Imaging	Lepton 2.5, on board	Optional Accessories	Tripod for S408 (2.8M, standard 1/4" thread) Tripod for the blackbody calibrator (1.5M, standard 1/4" thread, HS368)
Spectral Range	Longwave infrared, 8 $\mu\text{m}$ to 14 $\mu\text{m}$		
Array Format	80 x 60		
Field of View	51 $^{\circ}$ x 63.5 $^{\circ}$ (H x D)		
Power Jack	1 x 3-pin M8 power jack (IP67)		
Button	Power button		
LED	3-color LED; Pair, Link, Activity		

All specifications are subject to change without notice. Last update: 27/04/2020

**Dimensions**



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