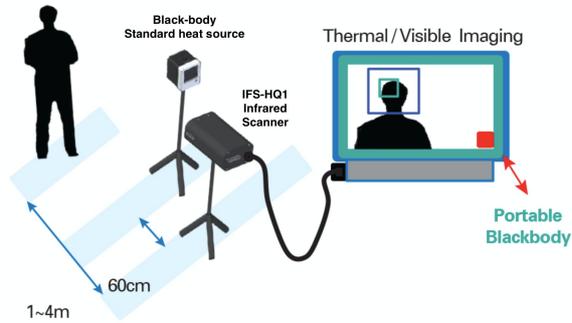


Infrared Fever Scanner IFS-HQ1

SKU: IFS-HQ1

Doc No: IFS-HQ1-DS-EN-10



Black body



IFS-HQ1 Infrared Scanner

Introduction

IFS-HQ1 is a cost effective tool to defend at the front line of Epidemic. It provides the simple method for fever scanning people in the crowd. Using a constant heat source for highest accuracy ± 0.3 °C.

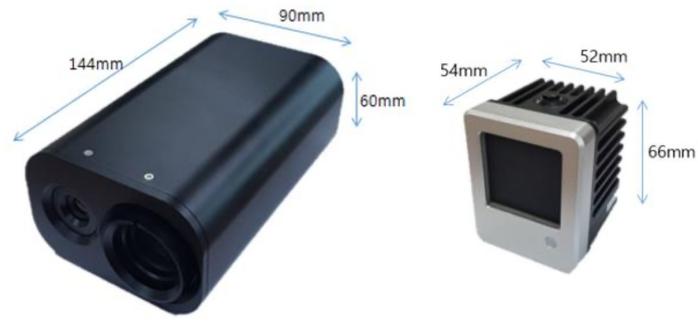


Actual setup

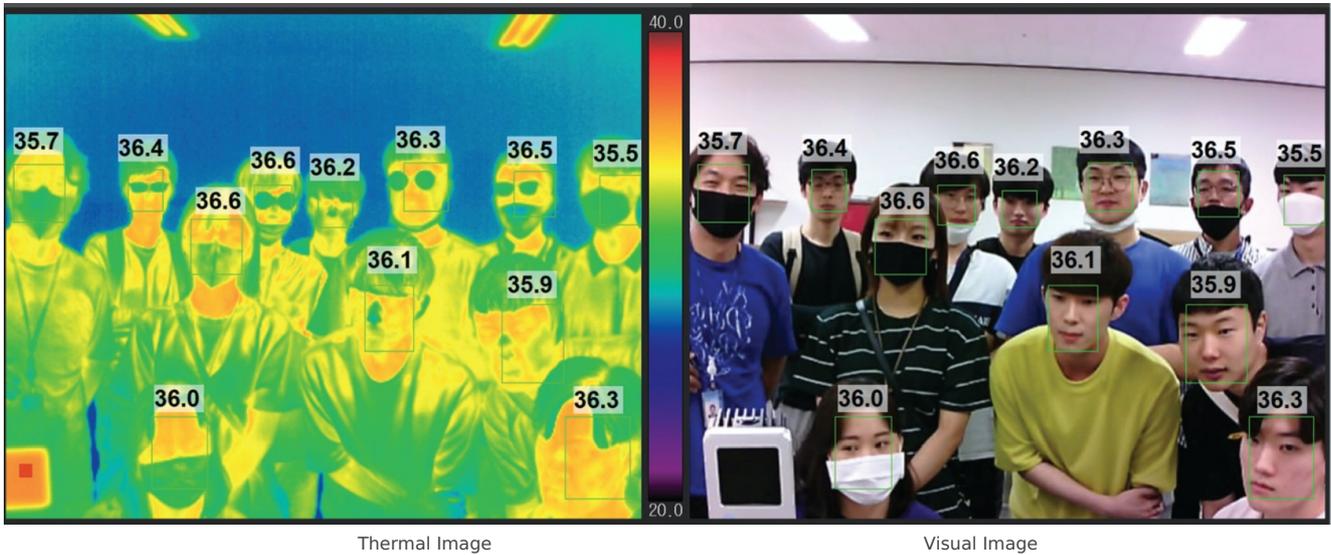
Features

- 1 Extremely high accuracy ± 0.3 °C;
- 1 Non-contact thermal FEVER scanning for multiple people, max 20 people at the same time;
- 1 Calibrate continuously with constant heat source;
- 1 Calculate distance to compensate the temperature;
- 1 Facial recognition algorithm for accurate and quick measurement;
- 1 Thermal / Visual Imaging;
- 1 AI Face recognition even with mask;
- 1 Identify and record suspected infects: Time log, Face pictures, temperature values...
- 1 Optional: connecting to cloudGlobiot for remote monitoring

Dimensions



Images view on Software (Windows)



Specification

Detector	Micro-Bolometer(Uncooled)
Thermal Resolution, Pixel pitch	384x288, 17 μ m
NETD	50mK / F#1.0, 300K
Temp. Accuracy	$\pm 0.3^{\circ}\text{C}$ (distance range 1m~4m)
Wavelength	8 to 14 μ m
Visible Resolution	1280x720
Time to Image	< 10sec.
Power / Video Output	USB
Framerate	$\leq 30\text{Hz}$
Size	90x60x144 (mm)
Weight	< 800g
Operating temp.	10 $^{\circ}\text{C}$ ~ 45 $^{\circ}\text{C}$
Storage temp.	-10 $^{\circ}\text{C}$ ~ 65 $^{\circ}\text{C}$
Power Consumption	$\leq 5\text{W}$

Temp. Range	User specified preset value (34 $^{\circ}\text{C}$ ~ 40 $^{\circ}\text{C}$) (default setting : 36.5 $^{\circ}\text{C}$)
Temp. Accuracy	$\pm 0.3^{\circ}\text{C}$
Effective Area	40x40 (mm)
Emissivity	0.97 \pm 0.02
Power Supply	USB-C or DC Adapter
Power	+5 Vdc (Max 2A)
Power Consumption	< 7.5 W (1.5A)
Time to Use	≤ 1 min.
Size (mm)	52 (W)x66 (H)x54 (D)
Weight	$\leq 300\text{g}$ (w/o cables)
Operating temp.	10 $^{\circ}\text{C}$ ~ 45 $^{\circ}\text{C}$
Features	LED Indicator Mount hole

Focal Length	F#	FOV (H x V)
9.7mm	f/1.0	37.5 $^{\circ}$ \pm 2 $^{\circ}$ x 28.5 $^{\circ}$ \pm 2 $^{\circ}$

Ordering codes

Item code	Descriptions
IFS-HQ1-01	Infrared Fever Scanner for max 20 people, QVGA 384x288, 17 μ m, c/w Windows SW, Thermal + Visible imaging, USB3.0, Lens 9.7mm(f/1.0), Frame rate <30Hz, included Black body, NOT included stand and computer
STAND-01	Tripod with Arm bar

 [Link for full datasheet:](#)

 [Link for manual:](#)

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