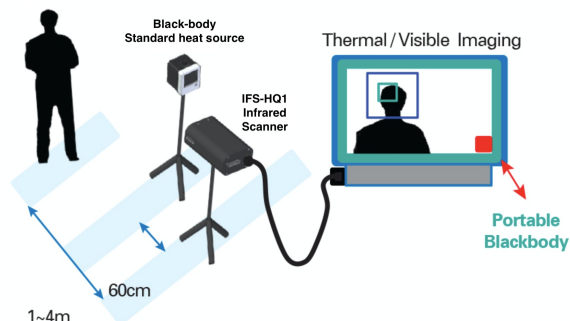


# Infrared Fever Scanner IFS-HQ1

SKU: IFS-HQ1

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



## 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  $\pm 0.3$  °C.

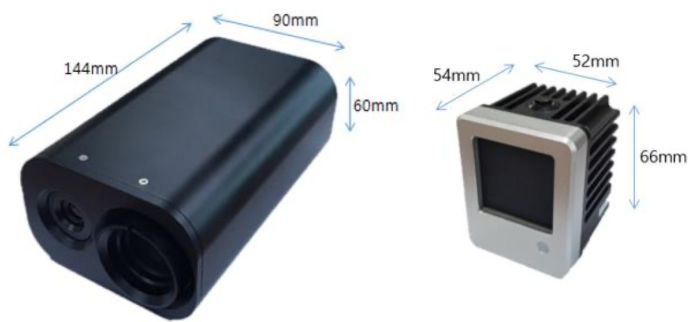


Actual setup

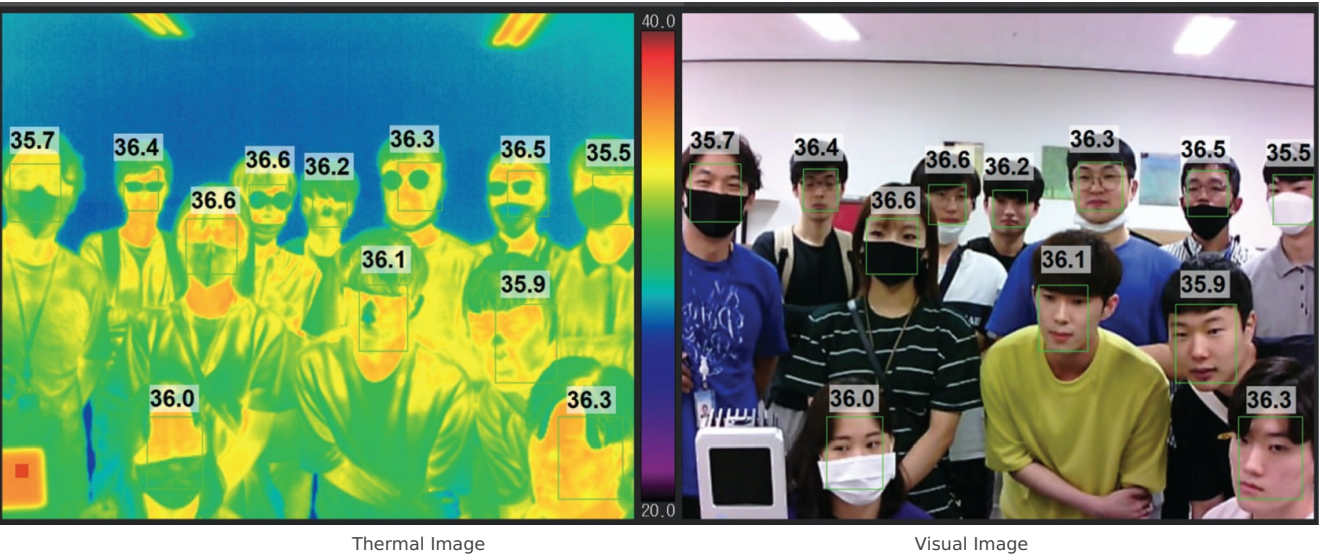
## Features

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

Dimensions



Images view on Software (Windows)



Specification

Detector	Micro-Bolometer(Uncooled)
Thermal Resolution, Pixel pitch	384x288, 17 $\mu$ m
NETD	50mK / F#1.0, 300K
Temp. Accuracy	$\pm 0.3^{\circ}\text{C}$ (distance range 1m~4m)
Wavelength	8 to 14 $\mu$ 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	$\leq 1$ 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 $\pm$ 2 $^{\circ}$ x 28.5 $\pm$ 2 $^{\circ}$

## Ordering codes

Item code	Descriptions
IFS-HQ1-01	Infrared Fever Scanner for max 20 people, QVGA 384x288, 17 $\mu$ 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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