

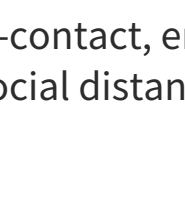
## Introducing New Foscam AI Thermal Body Temperature Monitoring System

Simple Assembling / Automatic Calibration  
Accurate & rapid measurement

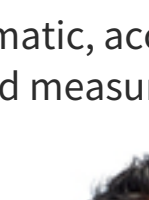


### All in One Solution

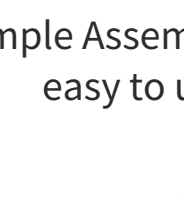
Foscam FBT-02 is a complete one-stop face recognition and thermal body temperature monitoring system. This system is an ideal device to be used in crowded areas for public health where measuring body temperature quickly is of critical importance. Now many organizations and industries use this technology to help in the global fight against COVID-19.



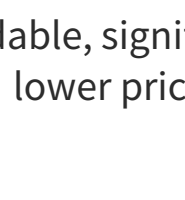
Non-contact, enables social distancing



Automatic, accurate & rapid measurement



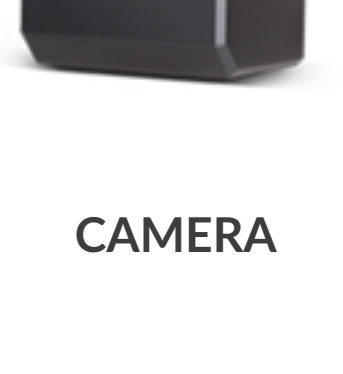
Simple Assembling & easy to use



Affordable, significantly lower price



### What's Included



CAMERA



TOUCH-SCREEN SMART TERMINAL



BRACKET



### How it works

#### 01 / FACE CAPTURE

- The optical visible camera captures the objects and transmit image to Smart Terminal.
- The AI algorithm of the Smart Terminal analyzes the image and captures the faces that appears.

#### 02 / TEMPERATURE MEASUREMENT

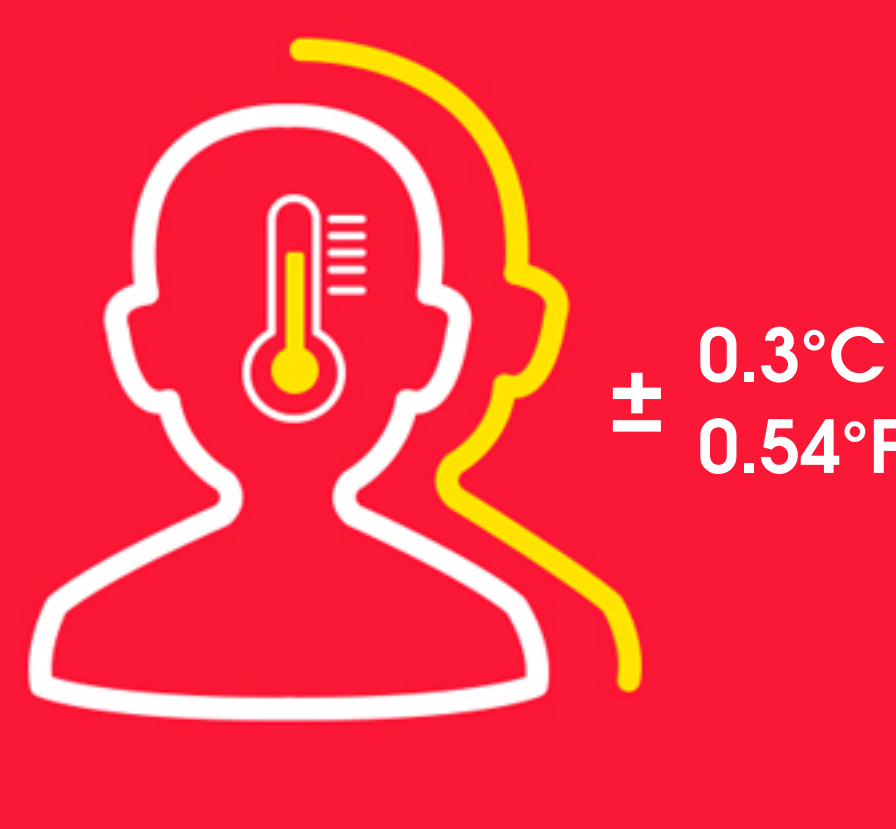
- AI algorithm analyzes the position and size of the face in the image
- The smart terminal sends the position and size information to the thermal camera. The thermal camera calculates the temperature information of the area and sends it back to the smart terminal.
- The smart terminal calculates the actual temperature of the human face according to the algorithm.

#### 03 / FACE & MASK RECOGNITION

- The smart terminal determines whether the face is wearing a mask based on the AI algorithm
- If no mask detected, the smart terminal will search face information in the face database and show the recognition result.
- If mask is detected, the smart terminal will exclude the mask area when calculating the face temperature

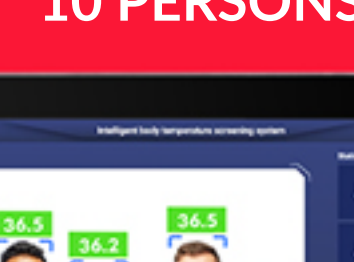
### High Accuracy

With built-in blackbody, the system of automatic calibration ensures measurement with high accuracy within  $\pm 0.3^{\circ}\text{C}$  ( $0.54^{\circ}\text{F}$ ).

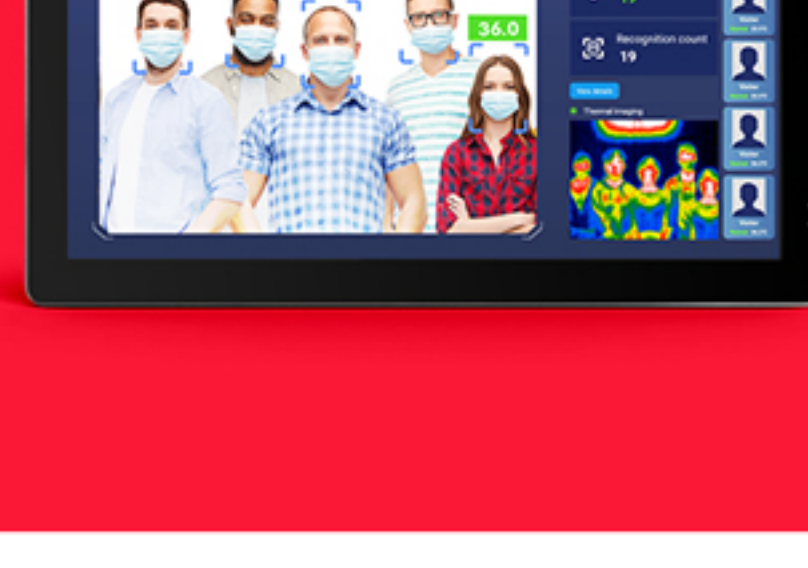


### High Efficiency

Recognize human faces and monitor body temperatures from a distance of 3.8 m away, can detect up to 10 persons simultaneously and show the real-time results within 0.5 sec.



10 PERSONS



### Intelligent Face Recognition

The intelligent face recognition technology improves accuracy, it can recognize human faces even wearing hats, masks, or glasses, and prevent interference from hot objects like hot water or lighter.



### Simple Assembling

Cameras with built-in blackbody and smart terminal with software are integrated and preset, no external blackbody, computer or server is needed, just assemble it and use it after power up.



### High Temperature Alerts

With built-in siren alarm, it will alert you to high temperature readings and can send notifications via email.



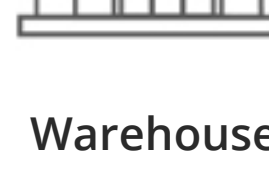
### Record & statistical analysis

The data will also be recorded and uploaded to the management system for further statistical analysis. The system comes with 16G storage and supports external USB.



### Where it can be used

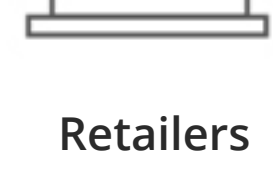
This system is ideal for warehouse & factories, business, hotels, restaurants, schools and public transit etc..



Warehouse



Manufacturers



Retailers



Business



Public transit

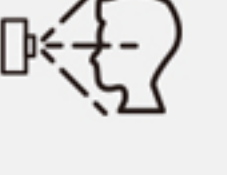
### NOTE



Indoor Use (room temperature  $15^{\circ}\text{C} \sim 37^{\circ}\text{C}$ )



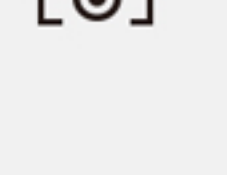
Wait minimum 20 minutes to adapt to different room temperatures before testing



Stand and face the detector within 3.8 meters



Place the device indoors away from the door to avoid cold air and direct sunlight from affecting the temperature measurement



Wait minimum 5 minutes for system initialization and automatic calibration after power up

### SPECIFICATIONS

THERMAL CAMERA	
Thermal Sensor Resolution	320x240
Lens	8mm
Temperature measurement range	32°C-42°C
Accuracy	$\leq \pm 0.3^{\circ}\text{C} / 0.54^{\circ}\text{F}$ [Emission rate, distance, ambient temperature, etc.]
Temperature correction	Automatic correction
Response Time	$\leq 0.5$ second
Detection Distance	3.8-meter (1-1.5 meters recommended)
Sensitivity	$\leq 40\text{mK}$
Face Detection	Up to 10 targets
Field of View	50° (Horizontal)
Working Temperature	15-37°C
OPTICAL VISIBLE CAMERA	
Resolution	1920x1080
Lens	8mm
Sensor	Sony 327
Field of View	60° (Horizontal)
Face Recognition	AI Local Recognition (No Need Cloud)
Detection Mode	Face Recognition Mode: Detects the temperature of the whole face, and recognize the people.
	No Face Recognition Mode: Detects the temperature of the whole face, but NOT recognize the people.
	Single/Multiple Mode: Detect single person or multiple people body temperature.
TOUCH-SCREEN SMART TERMINAL	
CPU	RK3399, 6-Core (Dual-Core A72+Four-Core A53), 1.8GHz
Flash	DDR3 4GB
Storage	EMMC 16G, up to 128GB
Display Size	15.6 inch
Display Resolution	1920*1080 IPS
Display Brightness	250cd/m <sup>2</sup>
Touch Screen	G+G Capacitive touch screen (10-point)
HDMI Port	1
Storage Port	1x Micro-SD card, up to 128GB
Speaker	Left and right binaural output
USB port	1xUSB 2.0 / 1xUSB3.0 / 1xType C
Network	2.4G WiFi / 1x RJ45 Port / Bluetooth 4.0
Dimensions	383*239*55.9mm

### After-sale service

This product comes with 1-year warranty and technical support backed by Foscam.

\*Foscam FBT-02 is not intended to diagnose, prevent, or treat any disease or condition, and it is not intended for medical use. Foscam FBT-02 measures skin temperature as a proxy for body temperature which is not 100% correlated. Specifications and undocumented specifications are subject to change without notice or liability.

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### About Foscam

Foscam is a professional company which designs, develops and manufactures high quality and cost-effective security solutions for home and businesses. Founded in 2007, Foscam has established global distribution channels in more than 80 countries and regions and millions of users. Foscam cooperates with global professional partners such as OMRON to provide AI smart products and AWS to provide secure and reliable Foscam cloud services for customers.

