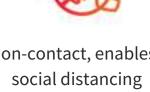


All in One Solution

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.















Affordable, significantly lower price



What's Included







THERMAL CAMERA

OPTICAL VISIBLE

TOUCH-SCREEN

(CPU + AI algorithm)

SMART TERMINAL

CAMERA

TOUCH-SCREEN SMART TERMINAL



How it works

01 / FACE CAPTURE

 $\cdot \, \text{The optical visible camera captures the objects and transmit image to Smart Terminal.} \\$ · 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.

 \cdot The smart terminal calculates the actual temperature of the human face according to the algorithm.

03 / FACE & MASK RECOGNITION \cdot 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



within +/-0.3°C (0.54°F).

measurement with high accuracy

automatic calibration ensures

High Accuracy

With built-in blackbody, the system of



simultaneously and show the real-time results within 0.5 sec.

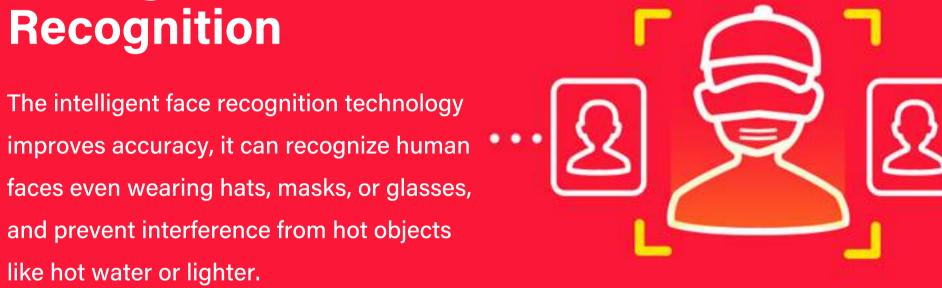
High Efficiency

Recognize human faces and monitor

m away, can detect up to 10 persons

body temperatures from a distance of 3.8

Intelligent Face



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.

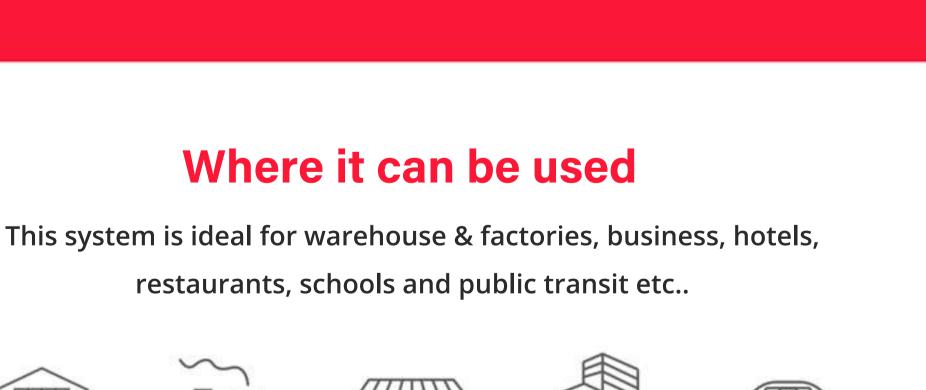


Record & statistical analysis

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.

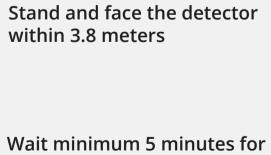
Where it can be used



Business



Warehouse



calibration after power up

system initialization and automatic

Manufacturers



Retailers

NOTE



Wait minimum 20 minutes to adapt

to different room temperatures

before testing

Public transit



THERMAL CAMERA

Thermal Sensor Resolution

Accuracy

Speaker

USB port

Network

Dimensions

Temperature measurement range

320x240 8mm 32 ~42

≤±0.3 / 0.54°F (Emission rate, distance, ambient temperature, etc.) Automatic correction

SPECIFICATIONS

| Temperature correction | Automatic correction |
|-----------------------------|--|
| Response Time | ≤ 0.5 second |
| Detection Distance | 3.8-meter (1-1.5 meters recommended) |
| Sensitivity | ≤40mK |
| Face Detection | Up to 10 targets |
| Field of View | 50° (Horizontal) |
| Working Temperature | 15~37 |
| 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 ² |
| Touch Screen | G+G Capacitive touch screen (10-point) |
| HDMI Port | 1 |
| | |

Left and right binaural output

383*239*55.9mm

1xUSB 2.0 / 1xUSB3.0 / 1xType C

2.4G WiFi / 1x RJ45 Port / Bluetooth 4.0

