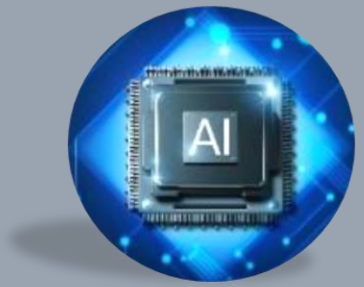
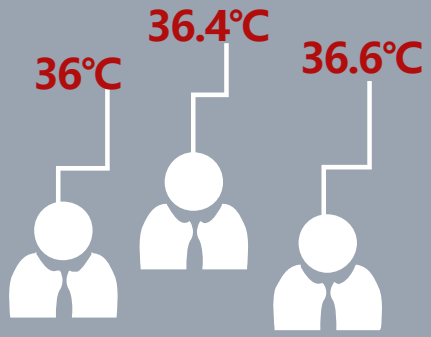
EMA

SCM

SCM International (US) Co., Ltd.

Thermal Imaging Body Temperature Screening Solution





AI algorithms **Thermal Imaging** **High Accuracy＜±0.3℃**

Demand

An outbreak of epidemic caused by a novel coronavirus, has resulted in thousands of confirmed cases in China, including cases in other international locations.

The risk of cross-infection is great in areas with a large number of people, such as office buildings, residential quarters, shopping malls, airports, train stations, etc., which poses great challenges for epidemic management.
According to medical observations, one of the main symptoms of many infectious diseases is abnormal high body temperature. To effectively control the spread of the virus, temperature measurement is critical.

Solution

SCM International (US) Co., Ltd.

To effectively prevent the epidemic from spreading in the public areas, EMA provides thermal imaging body temperature screening solution. Through the AI automatic infrared body temperature thermal camera and intelligent Mini-PC, it can quickly detect the temperature change of the human body and record the febrile people faces

Thermal Imaging Camera

Screening febrile people

Secondary Measurement

Temperature Measurement Thermal Imaging System-1

SCM International (US) Co., Ltd.

EM-TPC384AI is an automatic body temperature measurement thermal camera with 17um uncooled infrared detector, high-performance infrared lens and 2M pixels visible camera. Adopting advanced thermal imaging technology and intelligent AI image processing algorithms, it can quickly capture faces in crowded public places to measure multiply body temperatures.

EM-TPC384AI

Thermal Imaging Technology

EM-TPC384AI Thermal Camera

SCM International (US) Co., Ltd.

No Black body

Auto-Alarm

36℃ 36.4℃ 36.6℃

High-Sensitivity

Low consumption

SDK

Secondary Development

Features

High Accuracy	<±0.3℃
High Sensitivity	384 x 288
Efficient	2m~3m detection distance
Safe	Non-contact and automatic measurement
Intelligent	Human face detection/record function

Temperature Measurement Thermal Imaging System-2

SCM International (US) Co., Ltd.

EM-TPC160AI provides a quick non-contact temperature measurement for a group of people. Once it detects febrile people, it will automatically alarm and capture the human faces for record, which highly improves the measurement efficiency and reduce the risk of virus transmission.

EM-TPC160AI

Thermal Imaging Technology

EM-TPC160AI Thermal Camera

SCM International (US) Co., Ltd.

Auto-Alarm

High-Sensitivity

Low consumption

SDK
Secondary Development

Features

High Accuracy	<±0.3℃
High Sensitivity	160 x 120
Efficient	0.5m~2m detection distance/Black body required
Safe	Non-contact and automatic measurement
Intelligent	Human face detection/record function

Specification

SCM International (US) Co., Ltd.

EM-TPC384AI Thermal Camera

Range : 25 ℃ ~45℃

Accuracy : ±0.3°C(No Blackbody)

Resolution : 384×288

Detection Distance : 2~3m

Dimension : 220×180×121.2mm

EM-TPC160AI Thermal Camera

Range : 30°C~45°C

Accuracy : ±0.3°C

Resolution: 160*120

Detection Distance : 0.5~2m

Dimension : 220×180×121.2mm

Intelligent Mini-PC

RAM : SO-DIMM DDR3 4GB

SSD : 64GB MSATA SSD

Temperature : 5℃ ~ 40℃

USB : 2.0 / 3.0

Dimension: 190×149×26mm

Diagrams

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Thermal Camera+Mini-PC+Monitor

A

Thermal Camera+Laptop

A1

Thermal Camera +Black Body+Mini-PC+Monitor

B

Thermal Camera+Black Body+Laptop

B1

Comparison

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Parameters	Infrared Thermometer	EM-TPC384T (No black body required)	EM-TPC160T
Principle	Manual	Non-contact and automatic	Non-contact and automatic
Data	Unsaveable	Saveable and traceable	Saveable and traceable
Detection Distance	5cm	2~3m	0.5~2m
Detection Speed	2~5s	Real-time	Real-time
Efficiency	10 People/min	150 People/min	150 People/min
Applications	Home	Crowded Public Place	Crowded Public Place
Function	Manual Measurement	People counting, Auto-measurement, Auto-alarm, Data report	People counting, Auto-measurement, Auto-alarm

Application Areas

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Subway Station

Factory

School

Hospital

Shopping Mall

Office Building

Application Cases

SCM International (US) Co., Ltd.

南方航空
China Southern Airlines

美的
Midea

广电运通
GRGBanking

About Us

SCM International (US) Co., Ltd.

Established
2006

Employee
100+

Headquarters
Guangzhou

- **National High-Tech Enterprise**
- **Embedded Product ODM Supplier**
- **IoT、AI、Industrial Control**
- **Clients: Alibaba, Midea, Gree, Cloudwalk**

Speed up your development!

EMA Core Technologies

SCM International (US) Co., Ltd.

Audio Processing

Video Processing

IoT Communication

Image Processing

Artificial Intelligent

EMA

HMI

Innovation

SCM International (US) Co., Ltd.

EMA Launcher 嵌入式设备系统管理软件V1.1

LEADS CONNECT商标注册证

带图形用户界面的控制器

基于云技术的安全验证系统

控制器(ESH70)

控制器外观设计专利授权证书

领思智联商标证书

领思智云商标证书

领思智云智能空调集中控制套件(空调集控套件)V1.0.0

嵌入式主板外观设计专利

一体式触摸工业控制计算机外观专利

一种带止回部的智能控制器

一种基于安卓系统的设备接口的控制方法及系统

一种基于嵌入式的多媒体数字平台

一种智能控制器

英码电子设备测试软件（EMT V1.3）

As a national high-tech enterprise, EMA has more than 100 invention patents, computer software copyright, product copyright and software product registration certificate.

SCM International (US) Co., Ltd.

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