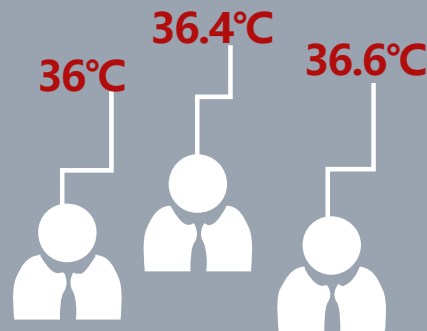
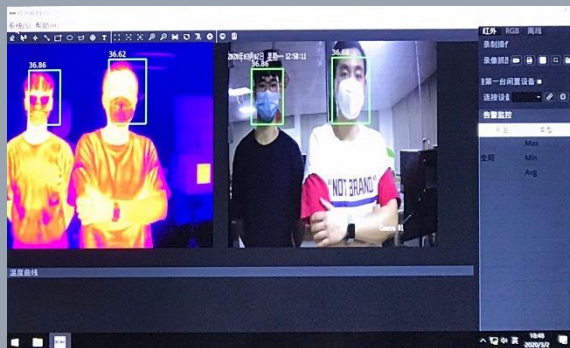




Thermal Imaging Body Temperature Screening Solution



AI algorithms

Thermal Imaging

High Accuracy $< \pm 0.3^{\circ}\text{C}$

? 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.

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



EMA

www.ema-tech.com

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



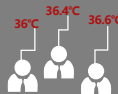
EMA www.ema-tech.com



No Black body



Auto-Alarm



High-Sensitivity



Low consumption

SDK

Secondary Development

Features

High Accuracy

$< \pm 0.3^{\circ}\text{C}$

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

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

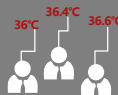


EMA

www.ema-tech.com



Auto-Alarm



High-Sensitivity



Low consumption

SDK

Secondary Development

Features

High Accuracy

$< \pm 0.3^{\circ}\text{C}$

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

EM-TPC384AI Thermal Camera



Range : 25 °C ~45°C

Accuracy : $\pm 0.3^{\circ}\text{C}$ (No Blackbody)

Resolution : 384×288

Detection Distance : 2~3m

Dimension : 220×180×121.2mm

EM-TPC160AI Thermal Camera



Range : 30°C~45°C

Accuracy : $\pm 0.3^{\circ}\text{C}$

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°C ~ 40°C

USB : 2.0 / 3.0

Dimension: 190×149×26mm

Thermal Camera+Mini-PC+Monitor



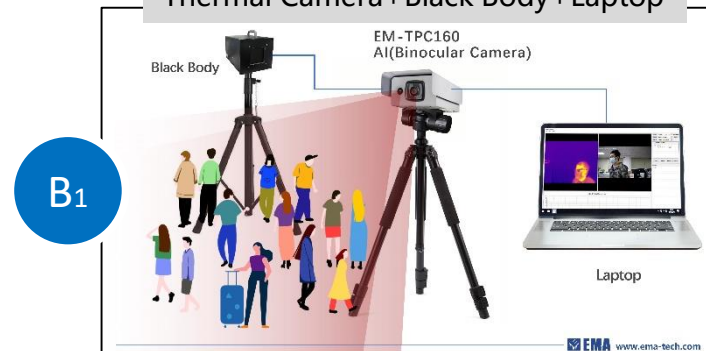
Thermal Camera+Laptop



Thermal Camera +Black Body+Mini-PC+Monitor



Thermal Camera+Black Body+Laptop



Comparison

**EMA**www.ema-tech.com

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



Subway Station



Factory



School



Hospital



Shopping Mall



Office Building

Application Cases



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美的
Midea



广电运通
GRGBanking



南方航空
China Southern Airlines



About Us



EMA

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Established
2006

Employee
100+

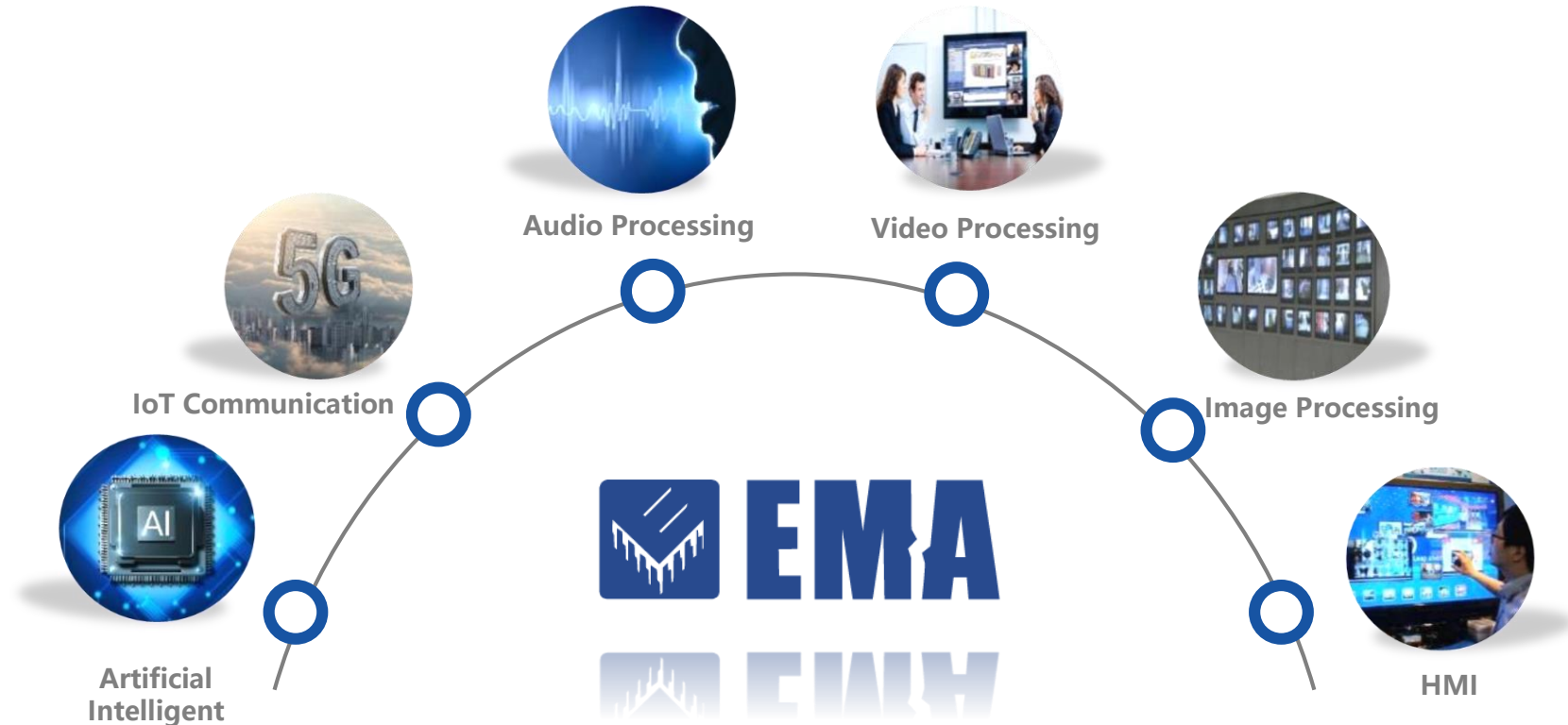


Headquarters
Guangzhou

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

Speed up your development!







EMA Launcher
嵌入式设备系统
管理软件V1.1



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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
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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.

The background features a light blue and white color scheme. A silver, reflective sphere is positioned at the top center. The lower half of the image is filled with intricate, flowing blue lines that create a sense of motion and depth, resembling a stylized wave or a complex network pattern.

Thanks for watching

Guangzhou Embedded Machine Technology Co., Ltd. (EMA)

Sales contact: sales@ema-tech.com