广州飒特红外股份有限公司
GUANGZHOU SAT INFRARED TECHNOLOGY CO.,LTD.

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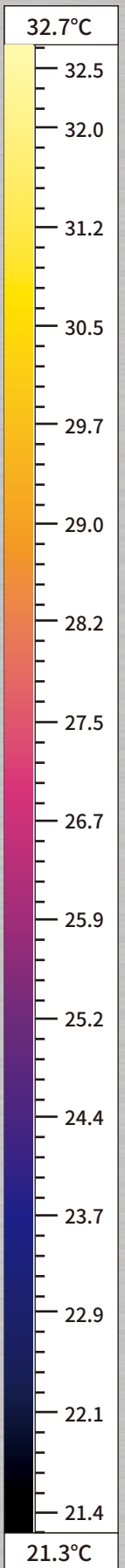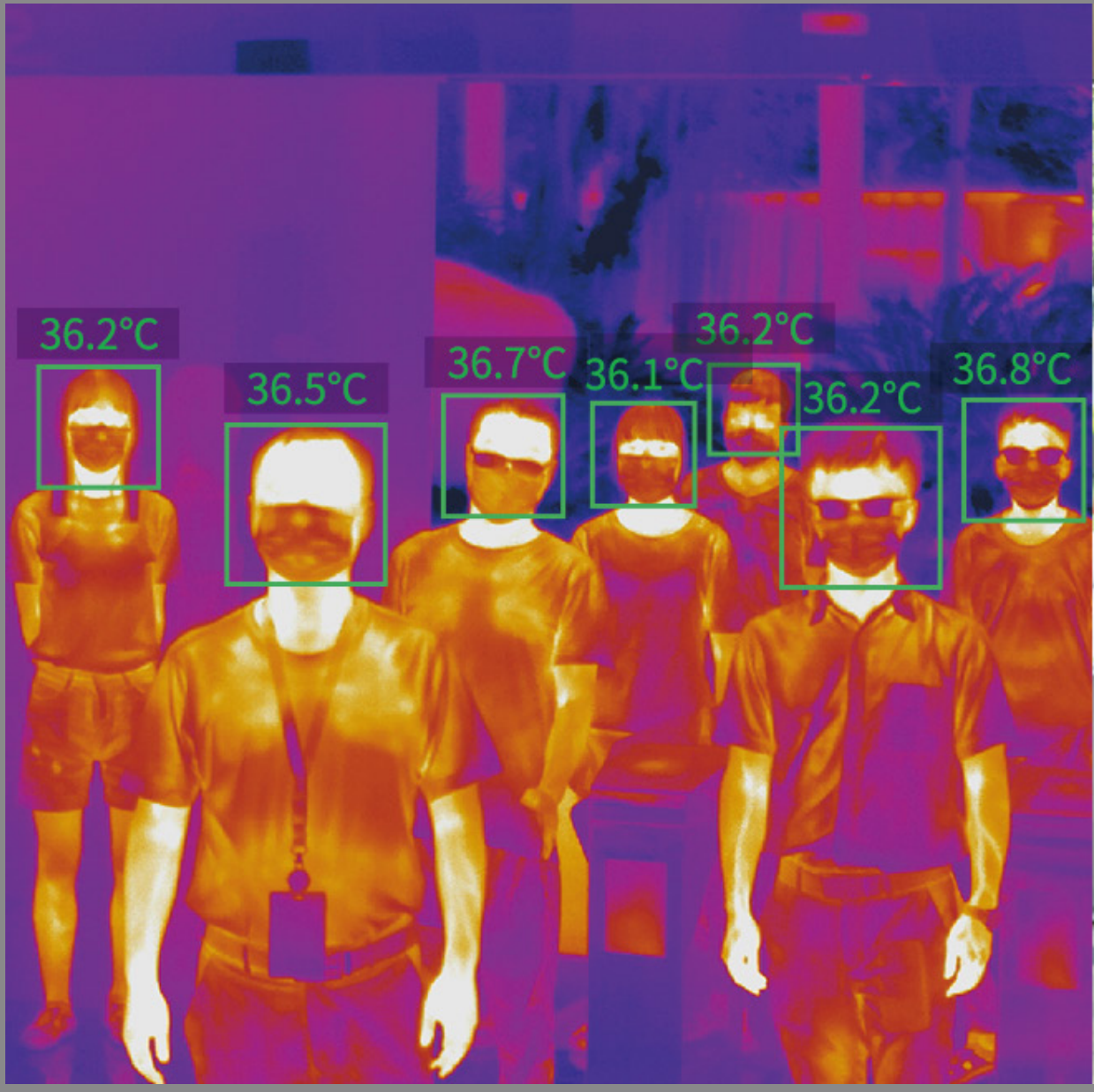
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CK380M

SATIR/人工智能/热成像/体温筛查系统
SATIR AI THERMAL IMAGING FEVER SCREENING SYSTEM

SATIR

www.sat.com.cn

SAT 飒特红外

32.7°C
— 32.5
— 32.0
— 31.2
— 30.5
— 29.7
— 29.0
— 28.2
— 27.5
— 26.7
— 25.9
— 25.2
— 24.4
— 23.7
— 22.9
— 22.1
— 21.4
21.3°C

Alarm info | Detail

36.2°C
36.5°C
36.7°C 36.1°C
36.2°C
36.8°C
36.2°C
36.7°C 36.1°C
36.2°C
36.2°C
36.8°C

Temp
36.5
Datetime
05-23 11:00:20
生成报告

Temp
36.2
Datetime
05-23 11:00:21
生成报告

Temp
36.8
Datetime
05-23 11:00:21
生成报告

Temp
36.2
Datetime
05-23 11:00:22
生成报告

Temp
36.7
Datetime
05-23 11:00:22
生成报告

36.5°C | 相似度： | 95% | 姓名： | 李兵

36.2°C | 相似度： | 89% | 姓名： | 周伟

36.8°C | 相似度： | 90% | 姓名： | 王铁柱

Connect Auto_focus Shutter IR CCD Stop Snapshot Record Mute PTZ Settings Exit
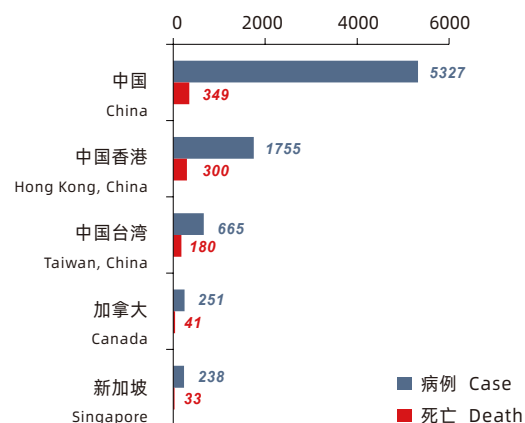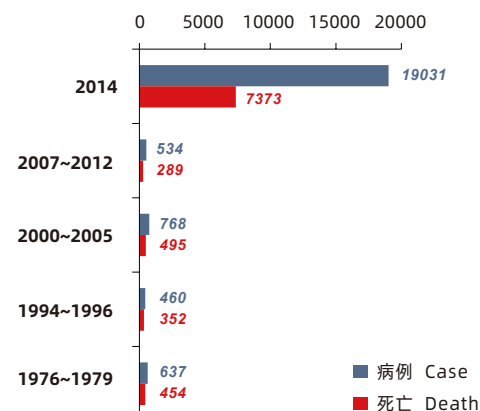
行业背景概括
INDUSTRY BACKGROUND SUMMARY

传染病的危害 ◆◆
Hazards of infectious diseases

WHO 公布的2003年SARS疫情统计数据（截至2003年7月11日）：
Statistics of SARS epidemic in 2003 released by WHO (as of July 11, 2003):

中国
China
5327
349

中国香港
Hong Kong, China
1755
300

中国台湾
Taiwan, China
665
180

加拿大
Canada
251
41

新加坡
Singapore
238
33

■ 病例 Case
■ 死亡 Death

埃博拉作为当今世界上最致命的病毒性出血热，历次疫情统计数据：
Ebola, as the deadliest viral hemorrhagic fever in the world today,
the statistical data of previous epidemics:

2014
19031
7373

2007~2012
534
289

2000~2005
768
495

1994~1996
460
352

1976~1979
637
454

■ 病例 Case
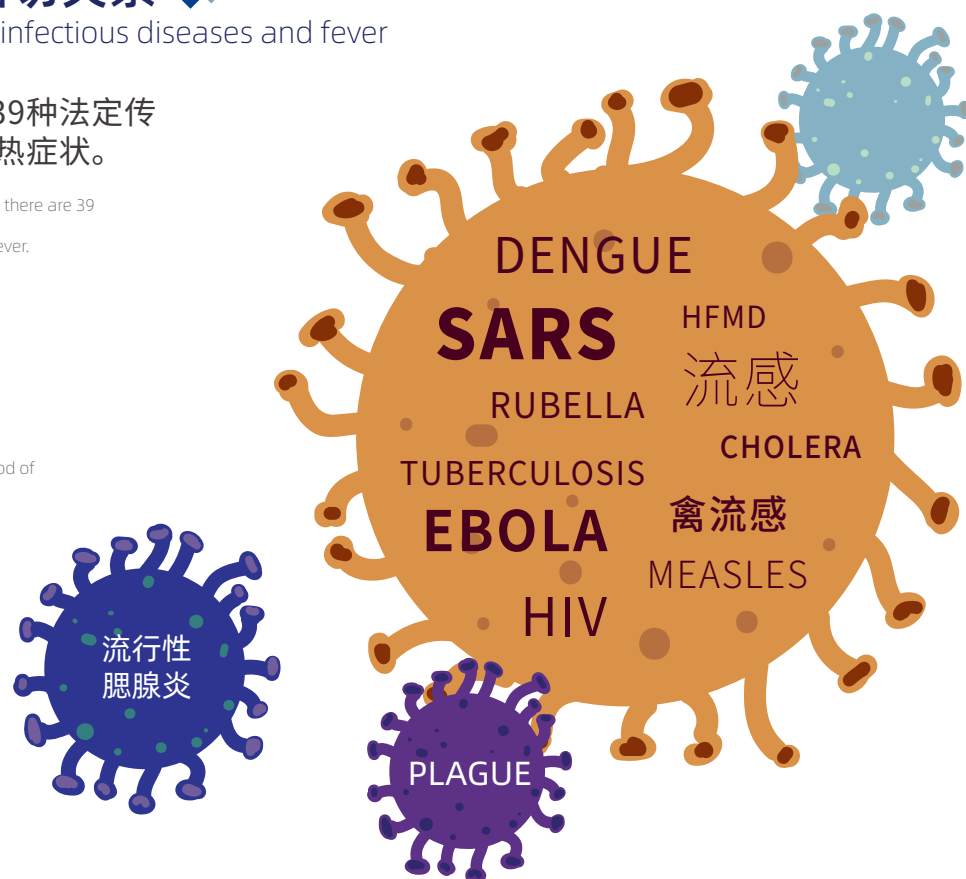■ 死亡 Death

传染病与发热的密切关系 ◆◆
Close relationship between infectious diseases and fever

据临床表现统计，在我国39种法定传染病中，28种先期都有发热症状。

According to the statistics of clinical performance, there are 39 legal transmissions in our country
In the disease, 28 kinds of early symptoms have fever.

体温筛查是疫情预测、控制的重要手段。

Body temperature screening is a significant method of epidemic prediction and control.

DENGUE
SARS
HFMD
流感
RUBELLA
CHOLERA
TUBERCULOSIS
EBOLA
禽流感
MEASLES
HIV
流行性腮腺炎
PLAGUE

传染病防控指导原则 ◆◆
Guiding principles for the prevention and control of infectious diseases

早发现
Early Discovery

早隔离
Early Isolation

早报告
Early Report

切断传播途径
Cut off the infection path

早治疗
Early Treatment

防止扩散
Prevent spreading

系统介绍
SYSTEM INTRODUCTION

SATIR/人工智能/热成像/体温筛查系统 ◆◆
SATIR AI Thermal Imaging Fever Screening System

SATIR/人工智能/热成像/
体温筛查系统
SATIR THERMAL IMAGING
FEVER SCREENING SYSTEM

智能人脸识别
多目标人脸识别，快速锁定超温人员
Intelligent Facial Recognition
· Conduct multi-object facial recognition and rapid identification of a person with fever.

红外热成像测温
· 远距离非接触式测温
· 实时、准确、安全、高效
· 可同时对多个目标进行快速测温
Infrared Imaging Temperature Measurement
· Non-contact temperature measurement from a distance
· Real-time, accurate, safe, efficient
· Conduct rapid temperature measurement to multiple objective simultaneously.

数据追踪
· 超温报警抓拍，不遗漏任何超温目标
Data Tracking
· Over-temperature alarm snapshot to omit no any over-temperature objectives.

系统软件组成 ◆◆
System software composition

ISO分析
ISO analysis

测温分析工具
Thermometric analysis tools

系统管理
Systematic management

App 应用
Application

多伪彩模式
Mmultiple pseudo-color pattern

在线实时监测
Online real-time monitoring

数据记录
Data record

图像调节
Image adjustment

报警列表
Alarm List

生产报告文档
Report generation

视频录制
Video record

图像抓拍
Snapshot

系统硬件组成 ◆◆
System hardware composition

主机
Thermal imager

黑体
Black body

支架
Tripod

电脑
Laptop

系统功能介绍
SYSTEM FUNCTION INTRODUCTION

在线监测快速测温 ◆◆
Online monitoring for rapid temperature measurement

可同步侦测多达20个目标，响应时间在30毫秒以内，实现被检测人流经过检测区域的动态检测，解决了接触式测温费时费力效率低的问题。

Simultaneous detection of up to 20 targets with a response time of less than 30 milliseconds enables dynamic detection of detected people passing through the detection area, solving the problem of time-consuming, labor-intensive and inefficient contact temperature measurement.

多级分布式架构 ◆◆
Multilevel Distribution Architecture

系统支持多级组织架构和分布式部署。按照使用场所、卡口数量、测温目标数量的不同，可采取不同部署模式。

The system supports multi-level organizational structure and distributed deployment. According to the different places of use, the number of bayonet, the number of temperature measurement targets, different deployment modes can be adopted.
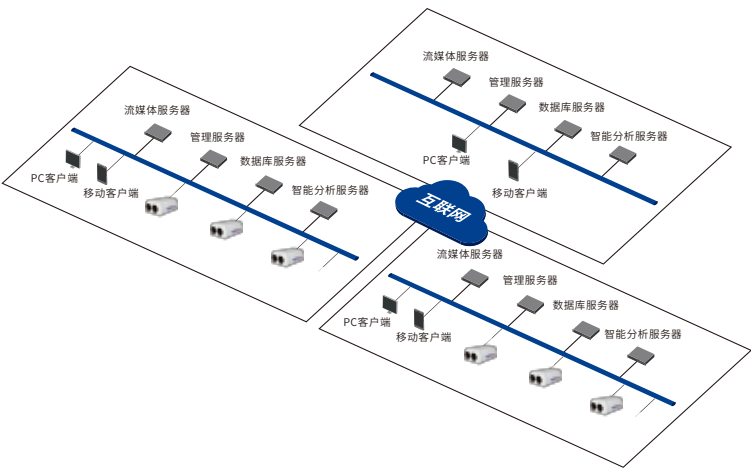
App应用 ◆◆
Application

通过App实时获取测温检测动态，无需安保人员24小时站岗；
支持数据回传，便于后台监控。

Obtain real-time temperature measurement dynamic information through APP and need no security personnel to be on duty 24/7; Support data transmission for backstage monitoring.

应用领域
APPLICATIONS

学校
School

机场
Airport

车站
Station

政府机构
Government agency

商业区
Business district

使用案例 ◆◇

Application Case

解决方案 ◆◇
Supporting plan

社区
Community

工业区
Industrial area

商场
Shopping mall

飒特红外，领航"热成像之道"

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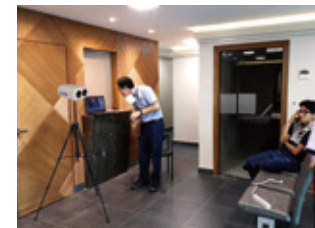
系统拓扑图
SYSTEM TOPOLOGY

**黑体提升温度
检测精准度**

Blackbody raises temperature
detection accuracy

**通过标准网线
传输电脑**

Transfer to computer
via standard network cable

**CK380M 红外热成像仪*1、黑体*1、
支撑架*2、便携箱*1、笔记本电脑**(自备)

CK380M infrared thermal imager*1, black body*1
tripod*2, carrying case*1, notebook computer (self-provided)

人群筛查系统软件

Fever screening system software

系统技术参数
SYSTEM TECHNICAL PARAMETERS

红外特性

探测器类型	非制冷焦平面
探测器分辨率	384 x 288
视场角	52° x 39°
镜头焦距	7mm
NETD	≤0.05℃@30℃
空间分辨率	2.4mrad
工作波段	8-14um
焦距调焦方式	定焦

Infrared characteristics:
Detector type: uncooled focal plane; Detector resolution: 384 x 288; Viewing angle: 52° x39°; Lens focal length: 7mm; NETD: ≤0.05℃@30℃; Spatial resolution: 2.4mrad; Working band: 8-14um; Focal length adjustment method: fixed focus

可见光特性

类型	1/1.8"SONY Progressive Scan CMOS
有效像素	200W, 1920x1080
焦距调节方式	电动变焦
镜头焦距	3.6-10mm
最低照度	IR ON 0Lux, 140dB TWDR
人脸侦测	内嵌人脸抓拍算法
人脸检测	最多32个
视频压缩标准	H.264/H.265/MJPEG
音频压缩格式	G.711A/G.711U/G.726
视频屏蔽	4个区域
图像设置	色彩饱和度、亮度、对比度、色调、锐度、Gamma、数字宽动态

Visible light characteristics:
Type: 1/1.8"SONY Progressive Scan CMOS; Effective pixels: 200W, 1920x1080; Focal length adjustment method: electric zoom; Lens focal length: 3.6-10mm; Minimum illumination: IR ON 0Lux, 140dB TWDR; Face detection: Embedded face capture algorithm; Face detection number: up to 32; Video compression standard: H.264/H.265/MJPEG; Audio compression format: G.711A/G.711U/G.726; Video shielding: 4 areas; Image settings: color saturation, brightness, contrast, hue, sharpness, gamma, digital wide dynamic

测温特性

测温范围	0℃ ~+60℃
测温精度	±0.2℃（配黑体）/±0.3℃
测温报警	超温报警
多测温目标检测	同时支持对20个目标进行测温检测
人脸测温	有
报警抓拍	有
报警记录	有

Temperature measurement characteristics:
Temperature measurement range: 0℃ ~+60℃; Temperature measurement accuracy: ±0.2℃ (with black body)/±0.3℃; Temperature alarm: over temperature alarm; Multi-temperature target detection: simultaneously supports temperature detection for 20 targets; Face temperature measurement: Yes; Alarm snapshot: Yes; Alarm record: yes

网络特性

网络协议	TCP/IP、UDP、RTP、RTSP、RTCP、HTTP、DNS、DDNS、DHCP、FTP、NTP、PPPOE、SMTP、UPNP
ONVIF 协议	支持PROFILE S

Network characteristics:
Network protocols: TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, SMTP, UPNP; ONVIF agreement: support PROFILE S

接口特性

网络接口	RJ-45，10/100Base-T
电源接口	DC12V
音频接口	1路音频输入，1路音频输出，支持双向语音
报警接口	2路报警输入，2路报警输出
模拟视频输出接口	BNC，75 ohm
云台控制接口	RS485

Interface characteristics:
Network interface: RJ-45, 10/100Base-T; Power interface: DC12V; Audio interface: 1 audio input, 1 audio output, supports two-way voice; Alarm interface: 2 alarm inputs, 2 alarm outputs; Analog video output interface: BNC, 75 ohm; PTZ control interface: RS485

环境参数

工作环境温度	0℃ ~+30℃
存储环境温度	-40℃ ~+70℃
湿度	≤95% 非冷凝

Environmental parameters:
Working environment temperature: 0℃ ~+30℃; Storage temperature: -40℃ ~+70℃; Humidity: ≤95% non-condensing

系统软件

标配软件	FeverScreeningSystem

System software:
Standard software: FeverScreeningSystem

物理特性

重量	2.07KG
尺寸（长x宽x高）	265mm X 176mm X 109mm

Physical characteristics:
Weight: 2.07KG; Dimensions (LxWxH): 265mm X 176mm X 109mm

多款型号满足不同需求
VARIOUS MODELS TO MEET DIFFERENT NEEDS

SATIR/人工智能/热成像/
体温筛查
PK系统
SATIR AI THERMAL IMAGING
FEVER SCREENING SYSTEM

技术参数

探测器分辨率	80 x 80
视场角	21° x 21°
测温范围	0℃~60℃
测温距离	1m~3m
测温精度	±0.2℃（配黑体）/±0.3℃
供电方式	锂电池供电/外接充电器
工作环境温度	0℃~+30℃

Technical parameters:
Detector resolution: 80 x 80; FOV: 21° x 21°; Measurement range: 0℃~60℃; Measurement distance: 1m~3m; Accuracy: ± 0.2 ℃ (with black body) /±0.3℃; Power: Lithium battery power supply / external charger; Operating temperature range: 0℃~+30℃.

SATIR/人工智能/热成像/
体温筛查
HM300系统
SATIR AI THERMAL IMAGING
FEVER SCREENING SYSTEM

技术参数

探测器分辨率	384 x 288
视场角	24° x 18°
测温范围	0℃~60℃
测温距离	2m~5m
测温精度	±0.2℃（配黑体）/±0.3℃
供电方式	锂电池供电/USB供电
工作环境温度	0℃~+30℃

Technical parameters:
Detector resolution: 384 x 288; FOV: 24° x 18°; Measurement range: 0℃~60℃; Measurement distance: 2m~5m; Accuracy: ± 0.2 ℃ (with black body) /±0.3℃; Power: Lithium battery power supply / USB power supply; Operating temperature range: 0℃~+30℃.

国家重托　飒特担当

Entrusted by National Government, SAT Assumed Our Responsibilities

国家发改委/财政部/工信部将"飒特红外"

全自动红外体温监测仪作为广东省**唯一**入围产品,

纳入政府兜底采购收储产品目录。

National Development and Reform Commission, Ministry of Finance of the PRC and Ministry of Industry and Information Technology of the PRC shortlist "SAT" Full-automatic Infrared Body Temperature Measurement Device as the only shortlisted product of GuangDong province and included it into the Government Procurement and Storage of Epidemic Prevention products catalogue(first batch).

■ 文/Writer：蔡杰贞 Jiezhen Cai（国内销售部Domestic Sales Dept.）
■ 译/Translator：罗丽 Sammy Li Luo（董事长秘书 Secretary to the Board Chairman）

全自动红外体温检测仪纳入第一批政府兜底采购收储产品目录
Fully automatic infrared body temperature measurement device was included in the first batch of government procurement and storage products catalog

为贯彻落实党中央、国务院重要决策部署，国家发改委 财政部 工业 信息化部联合发布通知，将全自动红外体温检测仪纳入第一批政府兜底采购收储产品目录。
In order to implement the important decision and arrangements made by the Party Central Committee and the State Council, the National Development and Reform Commission, the Ministry of Finance, and the Ministry of Industry and Information Technology jointly issued a notice to include the fully automatic infrared temperature measurement device in the first batch of government procurement and storage products catalogs.

通知明确，一、鼓励企业多措并举扩大重点医疗防护物资生产供应。二、实施疫情防控重点医疗物资政府兜底采购收储。

The notice made it clear on two points: First, enterprises are encouraged to take multiple measures to expand the production and supply of key medical protective materials. 2. Key medical materials for epidemic prevention and control will be included in government procurement and storage.

体温检测是疫情检测的第一关口，红外体温检测仪在公众场所对疑似患者甄别发挥了重要作用，是打赢疫情防控战的重要装备。
Body temperature measurement is the first pass of epidemic detection. Infrared body temperature measurement device has played an important role in screening suspected patients in public places, and is an important equipment to win the battle of epidemic prevention and control.

中华人民共和国国家发展和改革委员会
National Development and Reform Commission

| 首页 | 机构设置 | 新闻动态 | 政务公开 | 政务服 |

首页 > 政务公开 > 政策 > 通知

国家发展改革委 财政部 工业和信息化部关于发挥政府储备作用
支持应对疫情紧缺物资增产增供的通知

发改运行〔2020〕184号
2020年2月7日

政府兜底采购收储的产品目录（第一批）
Government procurement and storage of epidemic prevention products catalogue (first batch)

1. 医用防护服 GB19082-2003
2. N95医用防护口罩 GB19083
3. 医用外科口罩 YY0469-2011
4. 医用一次性使用口罩
5. 生产医用防护、医用口罩等重要原材料
6. 医用护目镜 医用防护头罩
7. 医用隔离衣
8. 新型冠状病毒核酸检测试剂盒
9. **全自动红外体温检测仪** Automatic Infrared Temperature Measurement Device

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国务院应对新型冠状病毒感染的
肺炎疫情联防联控机制（医疗物资保障组）

肺炎机制医疗保障〔2020〕34号

关于组织做好红外体温检测仪及配套零部件生产企业复工复产工作的紧急通知

各省、自治区、直辖市人民政府，交通运输部：

体温检测是疫情检测的第一关口，红外体温检测仪在公众场所对疑似患者甄别发挥了重要作用，是打赢疫情防控战的重要装备。为贯彻落实党中央、国务院重要决策部署，依据《国务院办公厅关于组织做好疫情防控重点物资生产企业复工复产和调度安排工作的紧急通知》（国办发明电〔2020〕2号 中机发 1203号）要求，切实做好新型冠状病毒感染肺炎疫情防控工作，解决防控物资需求，请各省（区、市）人民政府及交通运输部将红外体温检测仪及配套零部件等产品纳入疫情防控重点物资生产运输保障工作，帮助企业及时解决生产经营中遇到的困难和问题。

国务院应对新型冠状病毒感染的肺炎
疫情联防联控工作机制医疗物资保障组
（代 章）
2020年1月30日

国务院紧急通知将红外体温检测仪纳入疫情防控重点物资
The State Council issued an emergency notice to include infrared temperature measurement device in key materials for epidemic prevention and control

为切实做好新型冠状病毒感染肺炎疫情防控工作，国务院紧急印发《关于组织做好红外体温检测仪及配套零部件生产企业复工复产工作的紧急通知》。《通知》明确将红外体温检测仪纳入疫情防控重点物资。
For effective prevention and control of the new coronavirus epidemic, the State Council urgently issued the "Emergency Notice on Organizing the Resumption of Production in Infrared Temperature Measurement Device and Supporting Parts Enterprises." The Notice clearly included infrared temperature measurement device into key materials for epidemic prevention and control.

新冠肺炎疫情来势汹汹，在这场全国总动员的疫情防卫战中，红外体温检测仪筑起"第一道防线"！基于热红外线测温的直观和不接触原则，成为当下的重要防疫物资。红外体温检测仪能在发热检测环节一定程度降低接触性传染的概率，对于疫情蔓延的阻挡和疾病的分析诊断有重要意义！
The novel coronavirus epidemic is on the upswing. In this nationwide mobilized war against the epidemic, infrared temperature measuring device has built the "first line of defense"! Based on the direct and non-contact working principle, infrared thermal temperature measuring device has become an important device for epidemic prevention at the moment. Infrared temperature measuring device can reduce the probability of contact infection to a certain extent in the fever detection process, which is of great significance for the prevention of the spread of the epidemic and the analysis and diagnosis of the disease!

■ 文/Writer：蔡杰贞 Jiezhen Cai（国内销售部Domestic Sales Dept.）
■ 译/Translator：罗丽 Sammy Li Luo（董事长秘书 Secretary to the Board Chairman）

"飒特红外"是国内最早从事测温型红外热像仪研发、制造、批量生产的高端制造业企业，是国家标准持有单位，是该行业的龙头企业。

SATIR is the earliest high-end manufacturing enterprise engaged in R & D, manufacturing and mass production of infrared thermal temperature measuring cameras in China.

公司产品以"飒特红外"为品牌，曾参与抗击"非典"、埃博拉等疫情并作出重大贡献，是国际著名的热像仪产品品牌。

Branded as SATIR Infrared, the company's products have participated in the fight against SARS, Ebola and other epidemics and

made significant contributions, which helped to make the brand an internationally renowned one in the global thermal imaging camera industry.

公司所研发的"SAT/人工智能/热成像体/温筛查系统"，可以安全准确地对密集人群进行检测并快速从中筛查出高热人员，对防止疫情扩散提供强有力的支持。

The SAT / Artificial Intelligence / Thermal Imaging Fever Screening System developed by SATIR can safely and accurately conduct temperature measurement for dense crowds and quickly screen out high fever personnel from them, providing strong support for preventing the spread of the epidemic.

该系统最大的优点是：施测人可在两米以外杜绝飞沫传染的环境下安全工作。

The biggest advantage of this system is that the device can work safely in an environment where the people using the device can work two meters away to avoid droplet infection.

中华人民共和国工业和信息化部

工办函〔2020〕30号

工业和信息化部办公厅关于扩充国家重点医疗物资保障调度平台范围的通知

新增企业名单

广州飒特红外股份有限公司   全自动红外体温监测仪

飒特红外"作为广东省唯一的全自动红外体温监测仪制造商被工信部纳入政府兜底采购收储供货商行列
SATIR is the only manufacturer of fully automatic infrared body temperature measuring device in Guangdong Province, which has been included in the list of government procurement and storage suppliers by the Ministry of Industry and Information Technology

"飒特红外"拥有百余项的国内外专利和独立的知识产权，系列产品被中国科技部、商务部、质检总局以及环保总局联合授予《国家重点新产品》证书。

SATIR has more than one hundred domestic and foreign patents and independent intellectual property rights. Multiple products were awarded the "National Key New Product" certificate jointly by the Ministry of Science and Technology, the Ministry of Commerce, the General Administration of Quality Supervision, Inspection and Quarantine and the State Environmental Protection Administration.

此次新冠病毒肆虐华夏，承蒙国家信任，"飒特红外"被委以重任。我司作为广东省唯一的全自动红外体温监测仪制造商被工信部纳入政府兜底采购收储供货商行列。

With the novel coronavirus raged in China, SATIR was entrusted with a heavy responsibility. As the only manufacturer of fully automatic infrared temperature measuring device in Guangdong Province, our company has been included in the list of suppliers for government procurement and storage by the Ministry of Industry and Information Technology.

国家火炬计划项目证书
National Torch Plan Project Certificate

ISO/TS 16949认证证书
ISO / TS 16949 Certification

ISO9001:2015质量管理体系认证证书
ISO9001: 2015 Quality Management System Certification

全球进出口商协会--中国最佳供应商
Global Importers & Exporters Association-China's Best Supplier

中国专利优秀奖
Excellence Award for Chinese Patent

国家重点新产品证书
National Key New Product Certificate

中国标准创新贡献奖证书
Innovation and Contribution Award Certificate for Chinese Standard

省级企业技术中心
Provincial Enterprise Technology Center

国内专利证书
Domestic Patent Certificate

国外专利证书
Foreign Patent Certificate

新冠无情 飒特有情