Non-Contacted Infrared Thermal Imager

- Smart Temperature Measuring System

CATA

01 Introduction

02 Advantage

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04 Specification

05 Application

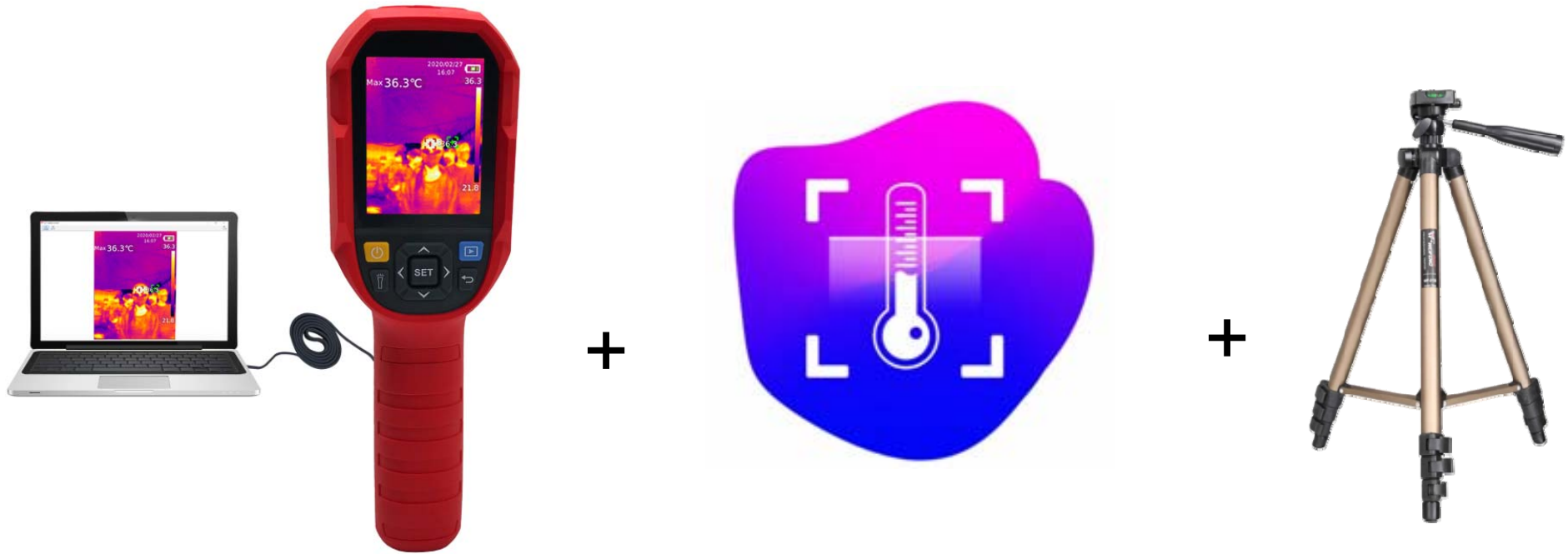**06** Compare

01 Introduction

Introduction of solution

Background

a) In order to reduce the investment in personnel costs and accelerate the speed of body temperature screening, launched a thermal imaging intelligent temperature measurement system solution. Through the combination of surface temperature measurement and real-time thermal images, the body surface temperature can be detected, which can be quickly and safely screened If the temperature is abnormal, take measures quickly to prevent the fever from flowing.

b) Durable to use, easy to install and work, can be flexibly controlled, reducing personnel investment. Secondly, in the case of a large number of people, rapid detection and screening can also be performed. For example, 60 people can be counted in one minute, and 3,000 people can be reached in 50 minutes. The solution is simple to deploy and ready to use.

Composition

PC   **hermal Imager JT-66K**   **Smart temperature detecting system**   **Tripod**

02 Advantage

Product Advantage

0.1 second quick trouble shooting

Non-contact temperature measurement, improve personnel passing efficiency and avoid queue and gathering

High and low temperature automatic tracking

High and low temperature automatic tracking, real-time display temperature.

Accuracy ±0.3°C

Accuracy ≤0.3 ° C after calibration (emissivity, temperature measurement point, temperature adjustable)

Automatic high temperature alarm

Customizable high temperature alarm value, automatic voice alarm above alarm value

03 Function

Real time
Image transmission

" The device can be connected with computers, all-in-one devices, etc. The temperature measurement image is transmitted to the screen in real time for clear viewing without the need to stand in front of the device to protect the safety of testing personnel and avoid cross infection. "

Automatic high temperature alarm

Customizable high-temperature alarm value setting. Lights, screen prompts, and voice alarms will be performed when the temperature is higher than the alarm temperature, which effectively helps inspectors to quickly screen abnormal temperature personnel.
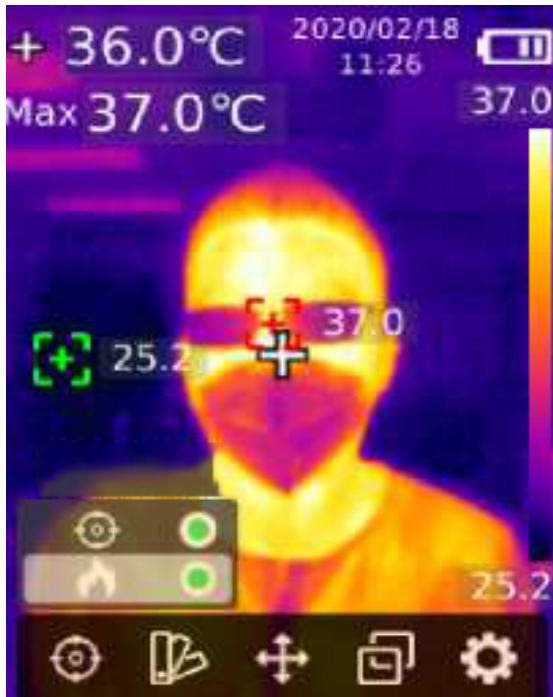

Flashing reminds of high temperature

Device screen shows high temperature warning

PC software high temperature voice alarm

High temperature fast tracking

- Center temperature measurement
- High & low temperature automatic tracking
- Real-time display temperature on screen

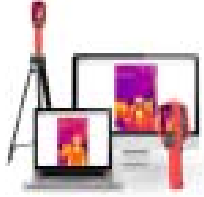Automatic high temperature tracking

Automatic low temperature tracking

04 Specification

Specification

Model No.	JT-66K
Sensor	Uncooled focal plane
High and low temperature alarm method	Can set high and low temperature warning, voice prompt alarm
Temperature measurement range	30°C ∽ 45°C
Resolution	0. 1°C
Accuracy	±0. 3°C （Best working distance: 1M）
Temperature measurement response time	W350ms
Thermal imaging pixel	19200 (160*120)
Pixel size	12 |i m
Swatch	Iron Red, Rainbow, White Hot, Black Hot, Red Hot, Lava, High Contrast Rainbow
Infrared spectral bandwidth	8∽ 14 ˌm
Thermal imaging sensitivity	<50mK
Frame rate	<9Hz
Temperature display ZF	Center point temperature measurement and high temperature tracking (default high temperature tracking)
Image format	BMP
Picture mode	Thermal imaging, digital camera (visible light), fusion
Temperature measurement point	In addition to the center point, 3 temperature measurement points can be added
Visible light	Yes
Visible light resolution	640*480
PCAnalyzing Software（PC）	yes
Real-time image transmission	Yes (PC software real-time image projection screen)
Data communication	Type-C USB
Display type	2.8" TFT LCD
Display resolution	320*240
Battery	Li-ion 3. 7V/5000mAh 26650 Single section
Image storage	Micro SD card
Working temperature	0°C∽ 35°C

05 Compare

V.S.

Event	Temperature system	Handheld thermometer	Temperature door	Face recognition temperature measurement
Fast Installation	√	√	×	×
Low labor costs	√	×	√	√
Hight accuracy	√	√	√	×
Quick pass by	√	×	×	×
Safety for inspector	√	×	√	√
High temperature alam	√	×	√	√
Automatic tracking of high temperature points	√	×	×	×