



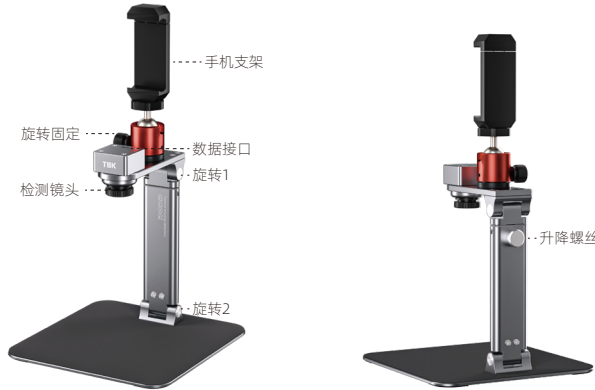
PCBA热成像检测使用说明

PCBA Thermal Imaging Detection Instructions

产品简介

PCBA电路板红外热成像检测系统是一款采用红外热成像技术应用于电路板、电子维修领域的产品，本产品可以辅助工程师快速定位电路板中的异常故障，如短路、漏电等一些问

产品说明



产品规格

参数	规格
分辨率	256*192 像素
帧频	25Hz
测温范围	-15°C~+600°C (5°F~+1112°F)
镜头视场角	56°x42°
测温距离	100mm-150mm

设备接口	USB Type-C
图片存储格式	JPG
视频存储格式	MP4
输入电压	DC 5V
存放温度范围	-20°C~60°C
工资环境温度	0°C~50°C
湿度	95%相对湿度

软件运行

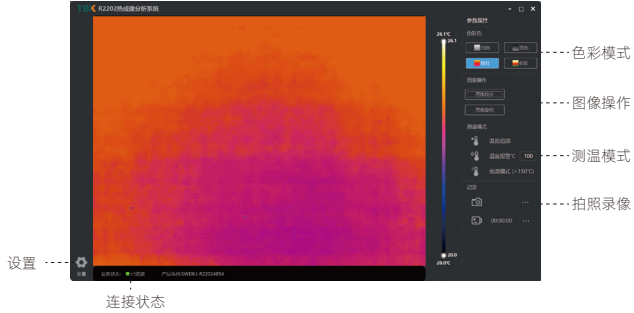
本软件可运行于Windows(推荐使用Win10或Win11)及Android (Android 7.0及以上) 系统。

软件功能

功能	功能说明
设置	语言转换、系统更新等
切换彩色	切换不同的色板来检测
高温报警	可设置高温报警温度，如超温时发出警告。
图像校正	图像重新校正
图像旋转	通过该功能可旋转画面
温度追踪	可以追踪画面中最高或最低温度
低温模式	切换低温模式
拍照	拍摄照片并存储在相册中
录像	录像视频并存储在相册中

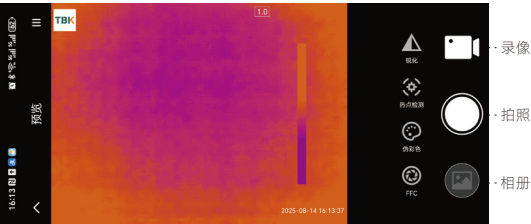
Windows 软件界面

用随机配的“USB”线连接电脑和热分析仪后，运行Windows软件将会启动显示以下界面。



Android APP

采用USB C 到 C线将热成像仪连接安卓手机并运行APP，将会启动显示以下界面。



软件下载

可通过下面网址进行下载Windows版本与安卓APP版本

<http://plus.tbk2025.xyz/>



也可扫描此二维码下载软件

包装清单

热成像检测仪	1
数据连接线	1
说明书	1

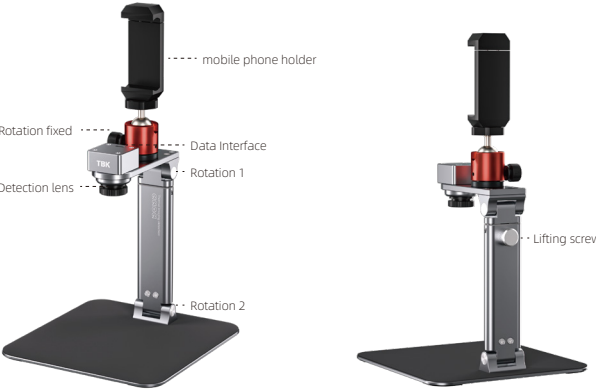
注意事项

- ★ 不可以直接观测高能量目标。如太阳、激光等，否则将导致热成像仪不可逆转的物理损坏
- ★ 必须采用标准的5V直流电源供电
- ★ 防止水泼溅在摄像头
- ★ 不可以超出湿度环境的要求情况下使用
- ★ Windows和Android程序将不定期更新升级

Product Introduction

The PCBA (Peripheral Board) infrared thermal imaging inspection system utilizes infrared thermal imaging technology for circuit board and electronics repair applications. This product helps engineers quickly locate abnormal faults in circuit boards, such as short circuits and leakage, thereby improving the efficiency of electronics R&D and repair.

Product Description



Product Specifications

Parameters	Specification
Resolution	256*192 Pixels
Frame rate	25Hz
Temperature measurement range	-15°C~-600°C (5°F~+1112°F)
Field of view	56°x42°
Temperature measurement distance	100mm-150mm

Device interface	USB Type-C
Image storage format	JPG
Video storage format	MP4
Input voltage	DC 5V
Storage temperature range	-20°C~60°C
Ambient temperature	0°C~50°C
Humidity	95% Relative humidity

Software operation

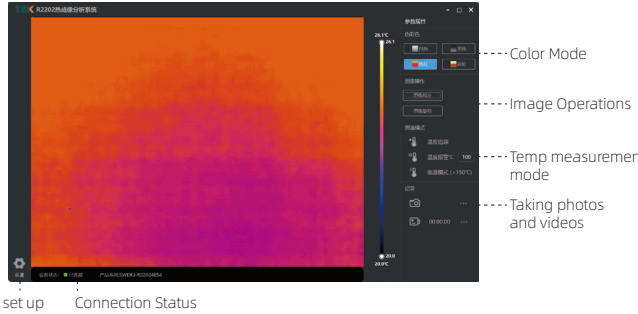
This software runs on Windows (Win10 or Win11 recommended) and Android (Android 7.0 and above).

Software Features

Function	Functional Description
Settings	Language switching, system updates, etc.
Color Switching	Switch between different color palettes for detection
High Temperature Alarm	Set high temperature alarms, such as warnings when exceeding the temperature.
Image Correction	Image recalibration
Image Rotation	Use this function to rotate the image
Temperature Tracking	Track the highest or lowest temperature in the image
Low Temperature Mode	Switch to low-temperature mode
Photo Capture	Take photos and save them to the camera roll
Video Recording	Record videos and save them to the camera roll

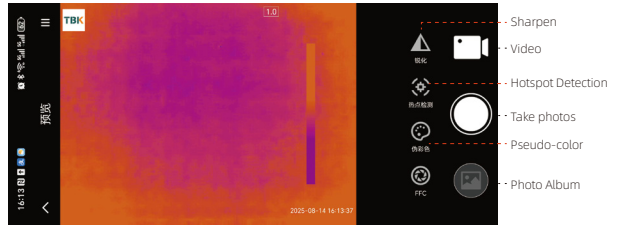
Windows software interface

After connecting the thermal analyzer to your computer using the included USB cable, the Windows software will launch and the following interface will be displayed.



Android APP

Connect the thermal imager to an Android phone using a USB C to C cable and run the APP. The following interface will be displayed.



Software Download

You can download the Windows version and Android APP version through the following website

<http://plus.tbk2025.xyz/>



You can also scan this QR code to download the software

Packing list

Thermal imaging detector	1
Data cable	1
Instruction manual	1

Precautions

- ★ Do not directly observe high-energy targets such as the sun, lasers, etc. Otherwise, it will cause irreversible physical damage to the thermal imager.
- ★ Must be powered by a standard 5V DC power supply
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- ★ Do not use in environments that exceed humidity requirements
- ★ Windows and Android programs will be updated and upgraded from time to time



专业研发及生产液晶屏维修设备
Professional R&D and production of LCD screen repair equipment