

HIKMICRO Pocket Series
Pocket Thermal Camera (V5.5.82)
Release Notes

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Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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1 Introduction

The pocket thermography camera is an ideal solution which provides accurate touch-free temperature measurement and heat distribution image display for electrical predictive maintenance, building inspection, HVAC inspection, manufacturing monitor, etc. HIKMICRO's pocket thermal cameras have been used widely in detecting temperature anomalies before detecting radiator efficiency for HVAC inspection, searching for heat loss in buildings, finding hot spots and invisible defects on mechanical or electrical systems that could indicate a potential problem. They are also used for surveying areas that are hard to reach with conventional measurement tools.

This document introduces new features and optimizations in V5.5.82 of Pocket Series.

1.1 Version Information

Item	Description
Firmware Version	V5.5.82 build 250416
Models	Pocket1, Pocket2, PocketC

1.2 More Information

- Mobile Client: HIKMICRO Viewer (only for the camera models with Wi-Fi and Hotspot)
  https://www.hikmicrotech.com/en/industrial-products/hikmicro-viewer-software/
- PC Client for analysis and report: HIKMICRO Analyzer
  https://www.hikmicrotech.com/en/industrial-products/hikmicro-analyzer-software/ or contact technical support for help.
- Welcome to visit our website and see more Compatibility Lists.
  https://www.hikmicrotech.com/en/support/download-center/compatibility/

1.3 Upgrade Device

1.3.1 Upgrade Device with USB

Before upgrading your camera, make sure:

- Fully charge your camera.
- Auto Power-off function is turned-off to avoid accidental suspension during upgrading.

1. Download new firmware from our website (*https://www.hikmicrotech.com/en/industrial-products/pocket-thermal-camera/*), and save it to your PC.
2. Use supplied USB cable (USB-C to USB-A) to connect the device to PC.
3. Open the detected disk on your PC.
4. Unzip the firmware, and copy and paste the .dav file to the root directory of the disk.
5. Disconnect the device from PC and reboot the device to start upgrading automatically. The upgrading lasts several minutes, please wait for the process to complete.

1.3.2 Upgrade Device via HIKMICRO Viewer

Before You Start

Scan the QR code below to download and install HIKMICRO Viewer on your phone.

Android

iOS

1. Launch HIKMICRO Viewer on your phone.
2. Upgrade the device. You can choose one of the following paths:
- In the home screen, tap **Device Upgrade** > **Check for Updates**.
- In the home screen, tap **Device Info** > **Device Upgrade** > **Check for Updates**.

2 New Features

2.1 Scene Mode for Fast Anomaly Detection

To conduct fast anomaly detection, several preset modes are included in **Scene** mode for various detection scenarios. Users can choose or customize a scene based on targets.



Pocket1 doesn't support Scene mode.

Scene Mode	Description
Water Leak	Inspect the water leak of building ceilings, walls and floors indoors.
Insulation	Detect indoor insulation deficiency of building walls, ceilings, common users can apply this scene.
Floor Heating	Detect and observe the faults of floor heating system.
Electrical Faults	Detect and observe the faults of wires, circuits, electrical components, terminators, etc
Macro Mode	Closely detect and observe the faults of precision components, for example, PCBs.
Solar Panel	Detect and observe the faults of solar panels
Insulation Pro	Detect indoor insulation anomalies of building walls and ceilings, professional users can apply this scene. Extra parameters **Indoor Temp.**, **Outdoor Temp.** and **Insulation Level** are required.
Condensation	Inspect potential moisture problems indoors. It is a prerequisite to set Relative Humidity, Ambient Temp., and RH Threshold(%).
Custom	Users can customize a mode to save desired temperature measurement parameters for future use.

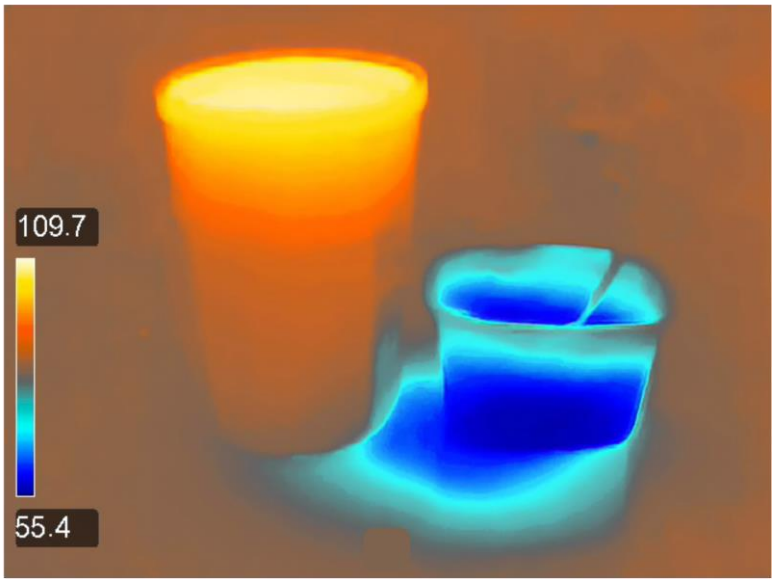


SuperScene technology can assist in fast recognition for anomalies during water leak and insulation detection. When **SuperScene** is enabled and water leak/insulation anomalies are detected, *Suspect* will be displayed on top of live view.

Please refer to the user manual of Pocket Series to access more detailed information.

2.2 A New Palette is Available: Blue Yellow

A new palette **Blue Yellow** is available in this version.



2.3 Turning Off Audio During Recording is Supported

In live view, tap , and go to **Capture Settings** > **Record Audio** to turn on/off the sound during video recording.

2.4 Status Prompts are Supported During Power On

When the device is powered on, there appears “~” before a temperature value, it means that your device is not well prepared for accurate temperature measurement.

When the device is powered on and conducting image calibration, the prompt “image calibrating…” is displayed on the top of live image.

2.5 Casting Screen via HIKMICRO Analyzer is Supported

In this version, the device supports casting screen to PC by HIKMICRO Analyzer, a UVC protocol-based client software.

Please visit our website *www.hikmicrotech.com* or contact our technical supports or customer service teams for installation packages, and download and install HIKMICRO Analyzer.

2.6 Others

- UVC protocol - based video streaming with third-party software like Xcapture is supported by macOS.
- Estonian is available in this version. Tap , and go to **Device Settings** > **Language**.

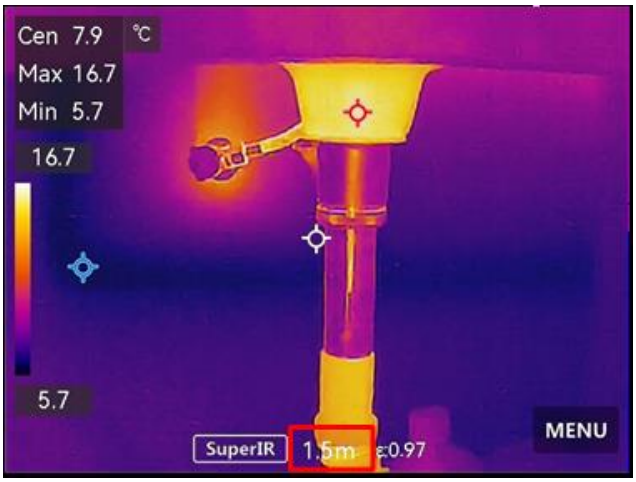
3 Optimizations

3.1 Distance and Parallax Correction are Merged

In this version, when you adjust the value of distance, it works for both **Distance** in temperature measurement parameters and **Parallax Correction** in Fusion image mode.

Adjust the distance as follows:

- In live view, tap > **Temp Measurement Settings > Distance.**
- In live view, tap distance value on the bottom and call out the distance wheel.



3.2 Others

- Image calibration, display settings and the algorithm of Fusion mode were optimized.

- The minimum difference value between the maximum temperature and the minimum temperature of the temperature scale is 1 Celsius degree.

4 Removed Functions

- In this version, Bluetooth was removed.

5 FAQ on Upgrade

5.1 Why my PC failed to detect the camera as a USB drive?

Check the following items:

- Use a good quality USB-C to USB-A cable to connect your PC to your camera. The supplied cable is recommended. Normally, a cable should be able to charge a camera and transfer data.
- Select USB Drive as the USB mode.
- Keep the camera powered on.

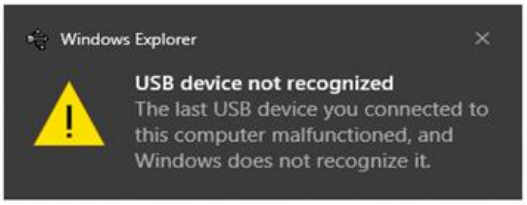
5.2 What should I do when my PC notifies power surge on the USB port?



Check the following items:

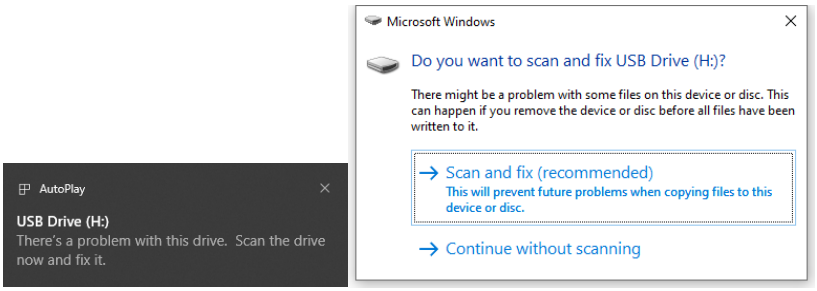
- When you are looking for an adapter of USB-C to USB-A, please choose an unpowered hub. A powered hub such as Surface Dock Station is not compatible.
- If you are using a built-in USB PowerShare port in your PC, please try another port.

5.3 What should I do when my PC notifies USB device not recognized?



In most cases, it does not affect use. You can just ignore the prompt and find the detected USB drive in **This PC**.

5.4 What should I do if my PC notifies the USB drive has a problem to be fixed?



Some Windows computers will scan a USB drive when it is connected, and show the error. Click scan and fix, Windows will confirm the drive is fine and connect to it. You can also skip scanning and find the detected USB drive in **This PC**, which does not affect use in most cases.



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