



Pocket Series
Handheld Thermography Camera
(V5.5.25)
Release Notes

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TABLE OF CONTENTS

Chapter 1 Introduction	1
Chapter 2 New Features	2
2.1 Macro Mode Supported	2
2.2 Notification for Image Calibration	3
2.3 Add Battery Status Display	3
Chapter 3 Optimizations	4
Chapter 4 Function Removed	5

Chapter 1 Introduction

HIKMICRO Pocket Series is equipped with a high-resolution HIKMICRO VOx detector, an 8 MP optical camera, and a 3.5" LCD touch screen. It helps you quickly and efficiently locate the hidden problems and accurately measure the temperatures of faults. The wide temperature range of -20°C to 400°C is ideal for building inspection, HVAC, electrical, and mechanical equipment maintenance. The 25 Hz frame rate keeps up with fast inspections, and the Wi-Fi function allows the Pocket to share images in real-time. The Pocket Series is a powerful thermography tool in your pocket, so it is always there whenever you need it.

This document introduces new features and optimizations in V5.5.25 of the products.

Version Information

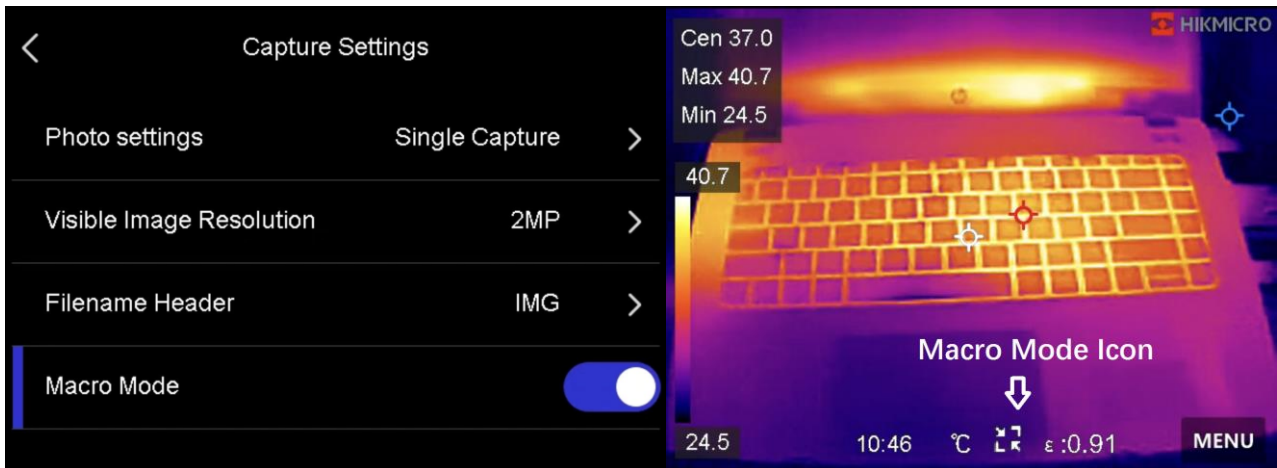
Item	Description
Firmware Version	V5.5.25 build 220511
Encoding Version	V7.3 build 220509
Algorithm Version	V2.1.1 build211229
Models	HM-TP42-3AQF/W-Pocket2 HM-TP41-3AQF/W-Pocket1

Chapter 2 New Features

2.1 Macro Mode Supported

The handheld camera is capable of focusing on close small objects with a macro lens (purchase separately) installed and “Macro Mode” enabled.

Turn on “Macro Mode” after installing the macro lens. More information about the function:



- In Macro Mode, the following parameters are automatically adjusted.

Parameters	Value
Emissivity	0.91
Distance	0.6
Thermography Range	First gear (-20 °C to 150 °C)
Display Mode	Thermal

Note

Settings of distance, thermography range and display mode are not changeable on device or by client in Macro Mode.

- After quitting the Macro Mode, the device settings restore to the previously saved parameters, and the thermography range is adjusted to Auto Switch.
- Temperature measurement accuracy: $\pm 3^{\circ}\text{C}$ or $\pm 3\%$ in first gear (-20 °C to 150 °C).
- The Macro Mode icon is displayed on live image when the function is on.

2.2 Notification for Image Calibration

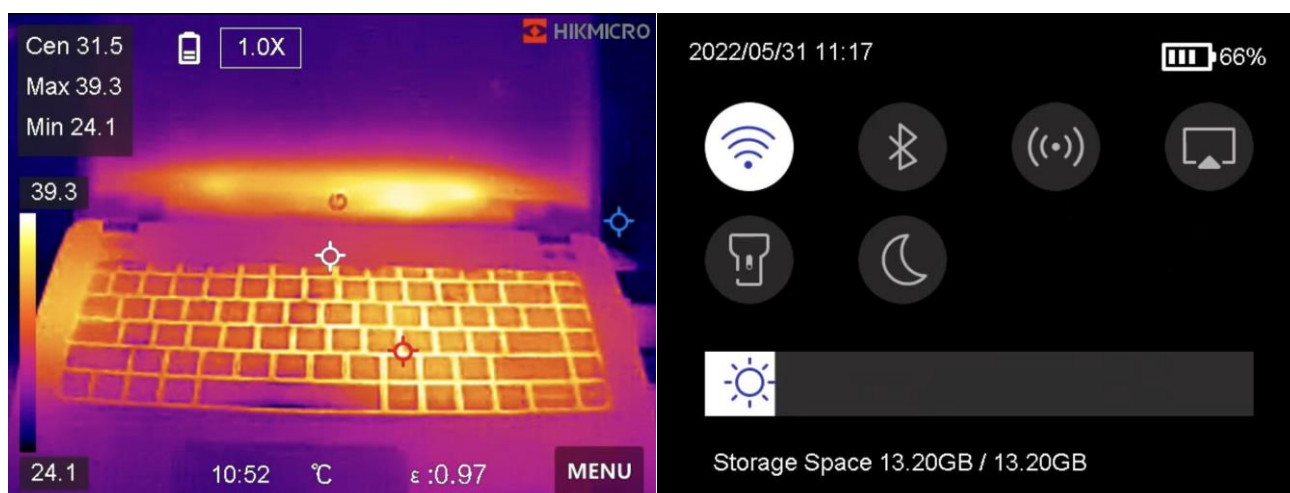
Pop-up messages are added in this version to notify users when the device is carrying out image self-calibration.

The device will periodically perform a self-calibration to optimize image quality and measurement accuracy. In this process, the image will pause briefly and users will hear a “click” as a shutter moves in front of the detector. This is a normal part of operation to ensure optimum performance for the device.

The image self-calibration can happen during device starting, switching thermography range, manual calibration, auto calibration, and calibration controlled by remote client. The self-calibration will be more frequent in very cold or hot environments.

2.3 Add Battery Status Display

Other than checking the battery status on wipe-down menu, users can also tap the screen to show the battery status.



Chapter 3 Optimizations

HIKMICRO Pocket series handheld thermography cameras have been optimized to improve your experience.

- Improved the experience of Wi-Fi and hot spot function.
- Changed the device touch button light-up time to 10 seconds.
- Improved the experience of 1-tap level and span.
- Improved the experience of the album operations on device.
- Changed the Level and Span mode to Auto Mode after device rebooting.
- Changed the digital zoom level to 1x after device rebooting.

Chapter 4 Function Removed

Picture type selection for captured thermal image is removed in this version. Captured thermal images are all radiometric images.



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