B Series

Handheld Thermal Camera **(V5.5.50)**

Release Notes

Legal Information

About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the HIKMICRO website (www.hikmicrotech.com/).

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

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Chapter 1 Introduction

The B Series handheld thermal camera is an ideal solution which provides accurate non-touch temperature measurement and heat distribution image display for electrical predictive maintenance, building inspection, HVAC inspection, manufacturing monitor, etc. HIKMICRO's handheld 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 V5.5.50 of B series handheld thermal cameras.

1.1 Version Information

Item	Description
Firmware Version	V5.5.50 build 230719
Algorithm Version	V2.1.6 build 230625
Models	B10; B11; B20
Mobile Client	HIKMICRO Viewer, latest version
PC Client	HIKMICRO Analyzer, latest version

1.2 How to Update to New Version

Before upgrading your device, make sure:

● Download the upgrade package from the official website first.

● **USB Cast Screen** is turned off.

● Go to **Settings → More Settings → Auto Power-off** to turn off auto power-off to prevent auto shutdown during the upgrade.

The procedure is as follows:

Step 1 Connect the device to your PC with USB type-A to type-C cable, and open the detected disk.

Step 2 Unzip the firmware package, and copy the .dav file and paste it to the root directory of the device.

Step 3 Disconnect the device from your PC.

Step 4 Reboot the device, and then it will upgrade automatically.

Chapter 2 New Features

2.1 Quick Hotspot Connection via QR Code

B Series handheld thermal cameras of V5.5.50 offer quick connection to device hotspot by scanning the on-device hotspot QR code using HIKMICRO Viewer.
The procedure is as follows:

Step 1 Download and install the latest version of HIKMICRO Viewer on your phone.

Step 2 Power on the camera, and go to **More Settings → Hotspot** to enable Hotspot. Select **QR Code** to show the hotspot QR code.

Step 3 Launch HIKMICRO Viewer, and tap ➕ on the upper right corner to select **Scan QR Code**.

Step 4 Scan the QR code of the device to connect device hotspot.

Note

- Please refer to the user manuals of HIKMICRO Viewer and B Series for more detailed operation.
- The interface of HIKMICRO Viewer might be different due to version upgrades. Please refer to the actual interface.

2.2 New Function: SuperIR

B Series handheld thermal cameras of V5.5.50 offers superIR to improve image quality. If the snapshots are exported and viewed on a high resolution screen, go to **Settings → SuperIR** to enable **SuperIR** before capturing. The snapshots with SuperIR are of higher quality than those without it.

Chapter 3 Optimizations

HIKMICRO B series handheld thermal cameras of V5.5.50 have been optimized to improve your experience.

- Added instant snapshot thumbnail after capturing in live view.
- Improved keyboard experience.

Chapter 4 FAQ on Upgrade

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

Check the following items:

● Use a good quality USB type A to type C 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.

● Keep the camera powered on.

4.2 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 type C to USB type 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 in your PC, please try another port.

4.3 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**.

4.4 What should I do if my PC notifies the USB drive has a problem to be fixed?
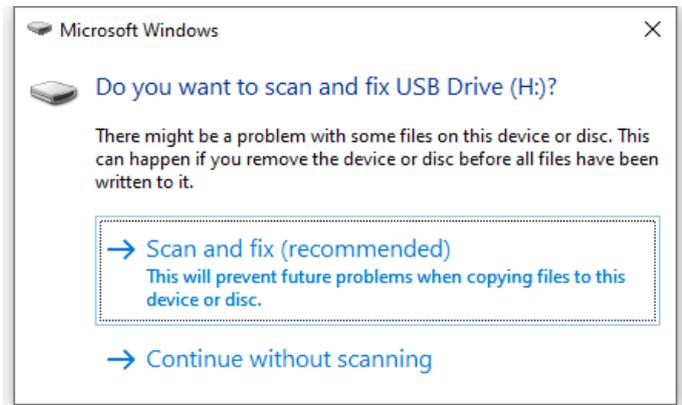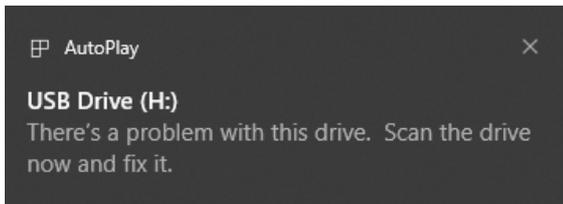
Some Windows computers will scan a USB drive when it is connected, and show the error. Click scan and fix, Windows will confirm the drive is fine and connect to it. You can also skip scanning and find the detected USB drive in **This PC**, which does not affect use in most cases.
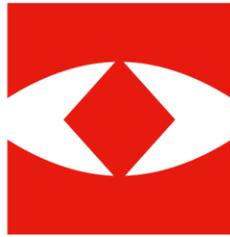
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