HIKMICRO

PocketE

Thermal Camera
User Manual

Contact Us

SAFETY INSTRUCTION

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss. Please read all the safety information carefully before using.

Technical Support

The https://www.hikmicrotech.com/en/contact-us.html portal will help you as a HIKMICRO customer to get the most out of your HIKMICRO products. The portal gives you access to our support team, software and documentation, service contacts, etc.

Calibration Service

We recommend you send the device back for calibration once a year, and please contact the local dealer for the information on maintenance points. For more detailed calibration services, please refer to https://www.hikmicrotech.com/en/support/calibration-service.html

Power Supply

- Input voltage should meet the Limited Power Source (3.85 VDC, 570 mA) according to the IEC61010-1 standard. Please refer to technical specifications for detailed information.
- Make sure the plug is properly connected to the power socket.
- DO NOT connect multiple devices to one power adapter, to avoid over-heating or fire hazards caused by overload.
- Use the power adapter provided by a qualified manufacturer. Refer to the product specification for detailed power requirements.

Battery

- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Replace with the same or equivalent type only. Dispose of used batteries in conformance with the instructions provided by the battery manufacturer.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries in conformance with the instructions provided by the battery manufacturer.
- The built-in battery cannot be dismantled. Please contact the manufacture for repair if necessary.

- For long-term storage of the battery, make sure it is fully charged every half year to ensure the battery quality. Otherwise, damage may occur.
- Use the battery provided by a qualified manufacturer. Refer to the product specification for detailed battery requirements.
- DO NOT place the battery near heating or fire source. Avoid direct sunlight.
- DO NOT swallow the battery to avoid chemical burns.
- DO NOT place the battery in the reach of children.
- When the device is powered off and the RTC battery is full, the time settings can be kept for 6 months.
- In the first use, charge the device for more than 2.5 hours in the power-off status.
- The lithium battery voltage is 3.85 V, and the battery capacity is 2100 mAh.
- The battery is certified by UL2054.

Maintenance

- If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
- Wipe the device gently with a clean cloth and a small quantity of ethanol, if necessary.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the device may be impaired.
- Please notice that the current limit of USB 3.0 PowerShare port may vary with the PC brand, which is likely to result in incompatibility issue. Therefore, it's advised to use regular USB 3.0 or USB 2.0 port if the USB device fails to be recognized by PC via USB 3.0 PowerShare port.

Using Environment

- Make sure the running environment meets the requirement of the device. The operating temperature shall be -10 °C to 50 °C (14 °F to 122 °F), and the operating humidity shall be 95% or less.
- Place the device in a dry and well-ventilated environment.
- DO NOT expose the device to high electromagnetic radiation or dusty environments.
- DO NOT aim the lens at the sun or any other bright light.
- When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.
- DO NOT aim the lens at the sun or any other bright light.
- The device is suitable for indoor and outdoor uses, but do not expose it in wet conditions.
- The pollution degree is 2.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
Note	Provides additional information to emphasize or supplement important points of the main text.

Laws and Regulations

- Use of the product must be in strict compliance with the local electrical safety regulations.

Transportation

- Keep the device in original or similar packaging while transporting it.
- Keep all wrappers after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and the company shall not take any responsibilities.
- DO NOT drop the product or subject it to physical shock. Keep the device away from magnetic interference.

Emergency

If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Manufacture Address

Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang 310052, China

Hangzhou Microimage Software Co., Ltd.

COMPLIANCE NOTICE

The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.

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CHAPTER 1 OVERVIEW

1.1 Important Notice to User

This manual describes and explains the features for multiple camera models. Because the camera models of a series have different features, this manual may contain descriptions and explanations that do not apply to your particular camera model.

Not all the camera models of a series support the mobile applications, software, and all their functions mentioned (or not mentioned) in this manual. Please refer to the user manuals of the application and software for more detailed information.

This manual is updated on a regular basis. It means that this manual may not contain the information about the new features of the latest firmware, mobile clients, and software.

1.2 Device Description

The pocket thermal camera is a device with both visual images and thermal images. It can measure temperatures, record videos, take snapshots, and trigger alarms.

With its Wi-Fi/hotspot function, it can work with Apps on your phone.

The camera is easy to use, and adopts ergonomic design. It is widely used for building inspection, HVAC, as well as electrical and mechanical equipment maintenance.

1.3 Main Function

Temperature Measurement

The camera detects the real-time temperature, and displays it on the screen.

Fusion

The camera can display fusion of thermal view and visual view.

Palettes

The camera supports multiple color palettes for different targets and user preference.

Alarm

The camera supports temperature alarms.

SuperIR

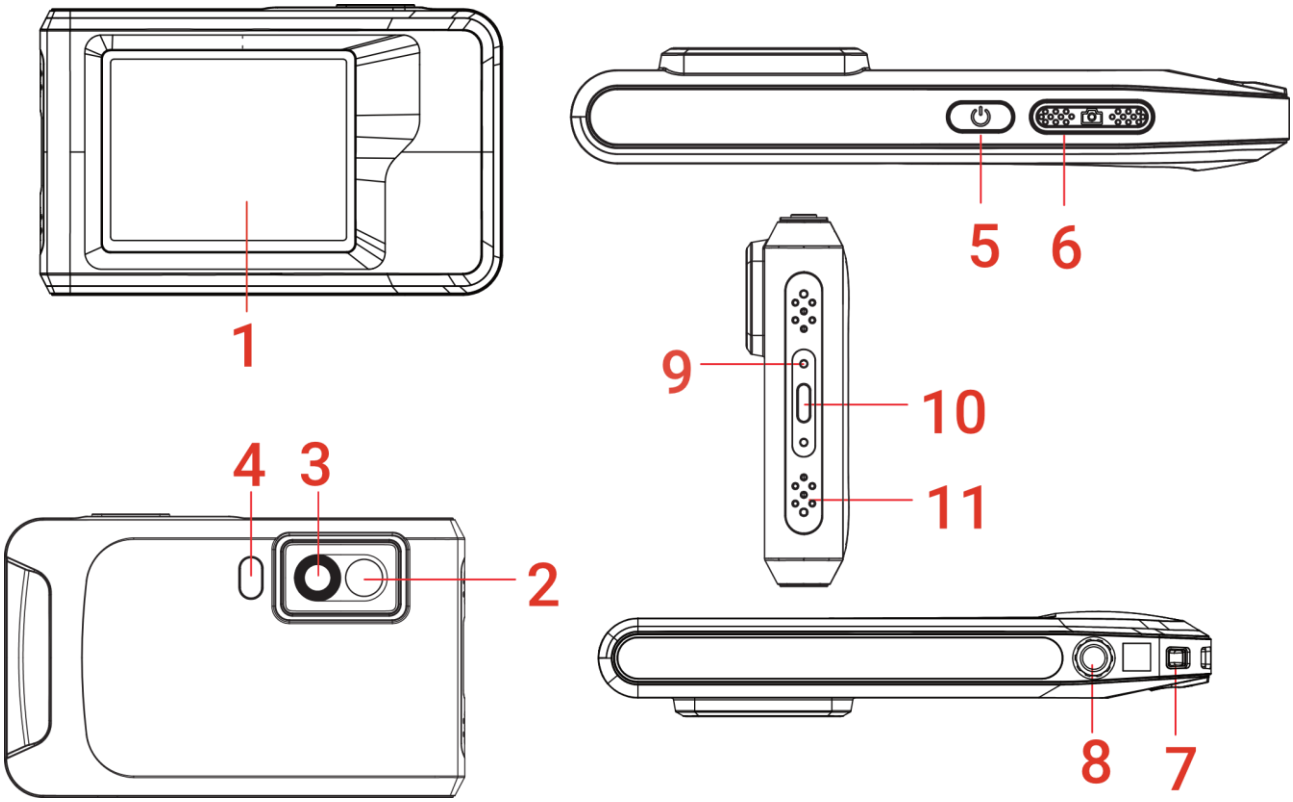
The camera supports **SuperIR** to enhance object outlines.

Client Software Connection

Scan the QR code to download the HIKMICRO Viewer App for live view, capture snapshots, record videos, etc.

Download HIKMICRO Analyzer (https://www.hikmicrotech.com/en/industrial-products/hikmicro-analyzer-software.html) to analyze files.

1.4 Appearance



No.	Description	Function
1	Touch Control Screen	View image and operate device with touch control.
2	Visual Lens	View the visual image.
3	Thermal Lens	View the thermal image.
4	Flash Light	Fill light on objects and output flashing alarm.
5	Power Key	◆ Hold: Power on/off the device. ◆ Press: Manual sleep /Wake up the device.

No.	Description	Function
6	Capture Key	◆ Press to capture an image. ◆ Hold to start recording a video and press again to stop.
7	Strap Attachment Point	Mount the wrist strap.
8	Tripod Mount	Mount the tripod.
9	Charging Indicator	Indicate the charging status of the device. ◆ Solid red: charging normally ◆ Flashing red: charging exception ◆ Solid green: fully charged
10	Type-C Interface	Charge the device or export files with the supplied USB cable.
11	Microphone	Record audio.

NOTE Your camera will periodically perform a self-calibration to optimize image quality and measurement accuracy. In this process, the image will pause briefly and you'll hear a "click" as a shutter moves in front of the detector. The prompt "Image calibrating ..." appears in the upper center of the screen as the device is calibrating itself. The self-calibration will be more frequent during start up or in very cold or hot environments. This is a normal part of operation to ensure optimum performance for your camera.

CHAPTER 2 PREPARATION

2.1 Charge Device

The camera is equipped with a built-in battery. It is recommended to charge the camera with the included USB cable and the Type-C interface on camera. Do not use the USB-C to USB-C cable of other manufacturers. The power adapter (not included) should meet the following standards:

- Output Voltage/Current: 5 VDC/2 A
- Minimum Power Output: 10 W

Check the power indicator for the charging status:

- Solid red: charging normally
- Flashing red: charging exception
- Solid green: fully charged

NOTE

- If the camera is not in use for an extended period and is over-discharged, it is recommended to charge for at least 30 min before powering it on.
- It is recommended to use the USB cable included in the package for both charging and data transfer.

2.2 Power On/Off

Power On

Hold ⏻ for over three seconds to turn on the device. You can observe the target when the interface of the device is stable.

NOTE It may take at least 6 s until the device is ready for using when you power on it.

Power Off

When the device is turned on, hold ⏻ for about three seconds to power off the device.

2.2.1 Set Auto Power-off Duration

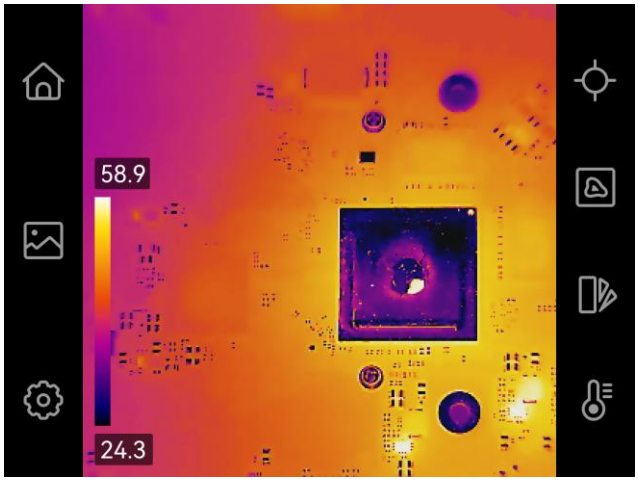
Select ⚙, and go to **Device Settings** > **Auto Power-off** to set the automatic shutdown time for device as required.

2.3 Operation Method

The device supports touch-screen control. You can tap the screen to operate the device.

2.4 Menus and Operations

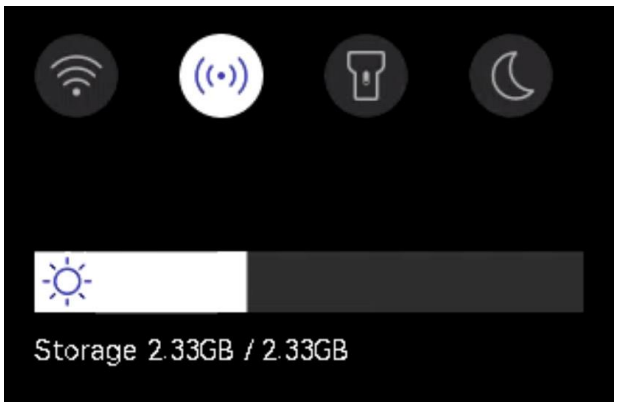
Live View



Icon	Description
	Return to live view interface.
	Enter albums to view captured images and videos. See ***5.3 Manage Albums*** for instructions.
	Adjust device local settings.
	Turn on/off measurement tools. See ***4.2 Set Measurement*** for instructions.
	Switch image mode from thermal, visual, fusion, etc. See ***3.2 Set Display Image Mode*** for instructions.
	Switch thermal image color palettes. See ***3.3 Set Palettes*** for instructions.
	Adjust level & span for thermal image display. See for ***3.4 Adjust Level & Span*** instructions.

Swipe-down Menu

In live view interface, swipe down from the top of the screen to invoke the swipe-down menu. With this menu, you can turn on/off device function, change display theme, and adjust screen brightness.



Icon	Description
	Turn on/off Wi-Fi. For Wi-Fi configuration, see ***6.2 Connect Device to Wi-Fi*** for instructions.
	Turn on/off hotspot. For hotspot configuration, see ***6.3 Set Device Hotspot and Join*** for instructions.
	Turn on/off LED light.
	Switch themes, day and night are supported.
	Adjust screen brightness.

CHAPTER 3 DISPLAY SETTINGS

3.1 Set Screen Brightness

Go to **Local Settings** > **Device Settings** > **Screen Brightness** to adjust the screen brightness.

Or tap , and drag it to adjust the screen brightness from swipe-down menu.

3.2 Set Display Image Mode

You can set the thermal/visual view of the device. **Thermal**, **Fusion**, **PIP**, **Blending** and **Visual** are selectable.

1. Tap .
2. Tap the icons to select an image mode.

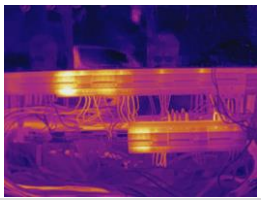
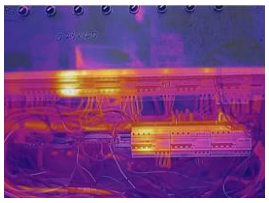
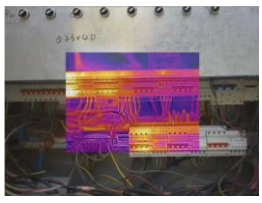
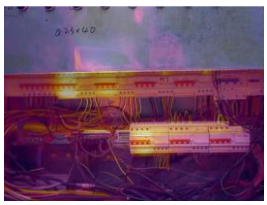
Image Mode	Description	Example
Thermal	In thermal mode, the device displays the thermal view.	
Fusion	Thermal object image with visual outlines. Adjust **Parallax Correction** in live view to improve image alignment.	
PIP	In **PIP** (Picture in Picture) mode, the device displays thermal view inside the visual view. You can adjust the size, parallax correction and digital zoom of the PIP.	
Blending	In **Blending** mode, the device displays the mixture view of thermal channel and visual channel. You can select the visual-thermal **Level** to change the visual-thermal ratio.	

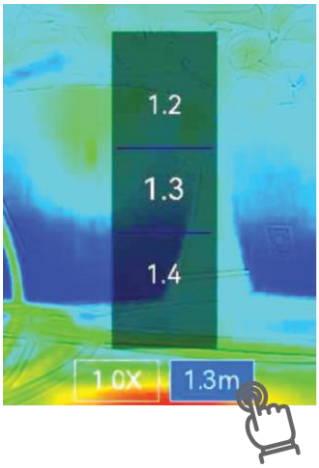
Image Mode	Description	Example
Visual	Visual object image only.	

3. Tap screen to exit.

3.2.1 Set Parallax Correction

You should set the parallax correction after you set the image mode as **Fusion**, **PIP**, or **Blending**, so as to improve the thermal-visual image alignment.

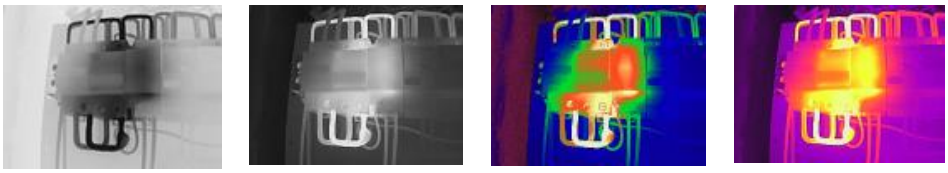
Tap on the screen to show the adjustment interface, select **Parallax Correction** (xx m), and scroll the value wheel to set the value.



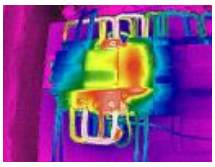
3.3 Set Palettes

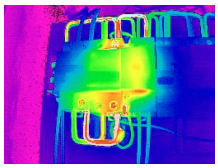
The palettes allow you to select the desired colors.

1. Tap .
2. Tap the icons to select a palette type.

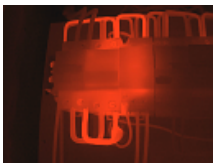


Black Hot White Hot Rainbow Ironbow


Rain


Blue Red

Fusion


Red Hot

3. Tap screen to exit.

3.4 Adjust Level & Span

Set a display temperature range and the palette only works for targets within the range. You can adjust the display temperature range.

1. Tap .
2. Select auto adjustment or manual adjustment .

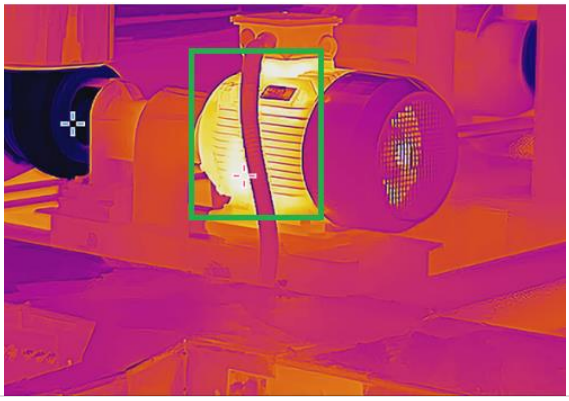
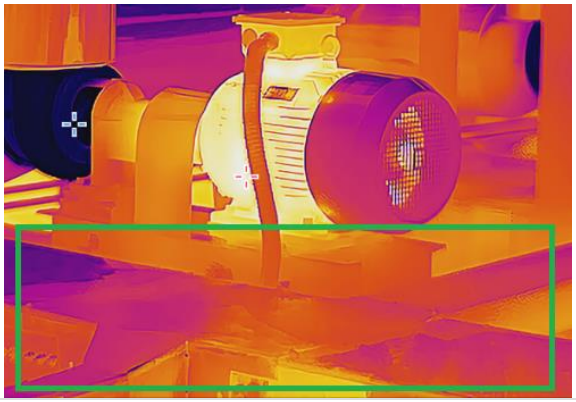
Auto	The device adjusts display temperature range parameters automatically.
Manual	1) Tap on an interest area of the screen. A circle is displayed around the area, and the display temperature range readjusts to show as many details of the area as possible. 2) Tap on the value on screen to lock or unlock a value. 3) Scroll the adjustment wheel on the screen to fine-tune the max. temperature and the min. temperature respectively. 4) Tap **OK** to finish.

3. Tap **BACK** to exit.

3.4.1 Color Distribution

Color distribution function provides different image display effects in auto level & span. Linear and histogram color distribution modes can be selected for different application scenes.

1. Go to **Local Settings** > **Temp Measurement Settings** > **Color Distribution**.
2. Select a color distribution mode.

Mode	Description	Example
Linear	Linear mode is used to detect small high temperature targets in low temperature background. Linear color distribution enhances and displays more details of high temperature targets, which is good for checking small high temperature defective areas such as cable connectors.	
Histogram	Histogram mode is used to detect temperature distribution in large areas. Histogram color distribution enhances high temperature targets and remains some details of low temperature objects in the area, which is good for discovering small low temperature targets such as cracks.	

3. Tap 〈 to save and exit.

NOTE This function is only supported in auto level & span.

3.5 Adjust Digital Zoom

1. Tap the live view interface to call the digital zoom frame.
2. Tap the digital zoom frame.
3. Select the digital zoom value as required
4. Tap the screen to save and exit.

3.6 Display On-Screen Info

Tap ⚙ and go to **Local Settings** > **Display Settings** to turn on/off the information for on-screen display.

- **Time and Date**: Device time and date.
- **Parameters**: Temperature measurement parameters, for example, target emissivity.
- **Brand Logo**: The brand logo is a manufacturer logo overlapped on images.

CHAPTER 4 TEMPERATURE MEASUREMENT

The temperature measurement function provides the real-time temperature of the scene and display it on the left of your screen.

4.1 Set Temp Measurement Parameters

You can set measurement parameters to improve measurement accuracy. Please set the emissivity and distance before measuring temperature.

1. Tap and go to **Local Settings** > **Temp Measurement Settings**.
2. Set the **Temperature Range**, **Emissivity**, etc.
   - **Temperature Range**: Select the temperature measurement range. The device can detect the temperature and switch thermography range automatically in **Auto Switch** mode.
   - **Emissivity**: Set the emissivity according to your target. You can customize it or select a recommended value.
   - **Refl. Temp.**: Reflected temperature. If any object (not the target) of high temperature is in the scene, and the target emissivity is low, set the reflection temperature as the high temperature to correct the thermography effect.
   - **Distance:** The distance between the target and the device. You can customize the target distance or select the target distance as **Near**, **Middle**, or **Far**.
   - **Humidity**: Set the relative humidity of current environment.
3. Tap to save and exit.

NOTE You can go to **Local Settings** > **Device Settings** > **Device Initialization** > **Remove All Measurement Tools** to initialize the temperature measurement parameters.

4.1.1 Set Unit

Tap and go to **Local Settings** > **Display Settings** > **Unit** to set the temperature unit and distance unit.

4.2 Set Measurement Tools

You can set measurement tools to measure the min., max., and center temperatures of the current scene.

1. Tap .
2. Tap to select the temperature measurement tool as required. **Hot**, **Cold**, and **Center** are selectable.

3. Tap screen to save and exit.

NOTE The min., max., and center temperatures are displayed on the left top of the screen. Tap the tool again to delete.

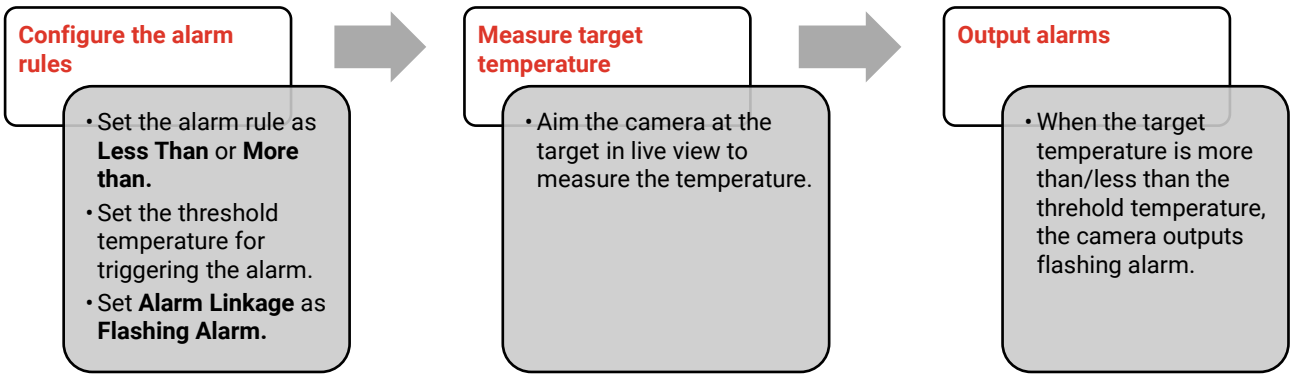
4.3 Set Temperature Alarm

When the temperature of targets triggers the set alarm rule, the device will perform configured actions, such as flashing the LED light.

1. Tap and go to **Local Settings** > **Temp Measurement Settings** > **Alarm Settings**.
2. Enable **Temperature Alarm** and set the alarm parameters.

Alarm Threshold	When the tested temperature exceeds the threshold, the device sends alarm notification to the client software. The flashlight will flash if the flashing alarm is enabled.
Alarm Linkage	**Flashing Alarm**: The flash light flashes when target temperature exceeds the alarm threshold.

3. Tap < to save and exit.
4. Follow the procedure to use the alarm function.



CHAPTER 5 PICTURE AND VIDEO

NOTE

- The device does not support capturing or recording when the menu is shown.
- When the device is connected to your PC, it does not support capturing or recording.
- Tap and go to **Local Settings** > **Capture Settings** > **Filename Header**, you can set the filename header for capturing or recording to distinguish the files recorded in a specific scene.
- Tap and go to **Local Settings** > **Device Settings** > **Device Initialization** to initialize the storage as needed.

5.1 Capture Picture

In live view, press to capture a snapshot. Enable the flashlight via the swipe-down menu in dark environment.

You can also set the following parameters in **Local Settings** > **Capture Settings** as needed.

Parameters	*Description*
Capture Mode	◆ **Capture One Image**: Press once to capture one image. ◆ **Scheduled Capture**: Set **Interval** (the time interval of each snapshot to be taken) and **Number** (the number of snapshots to be taken in a roll, ranging from 1 to 10,000) for scheduled capture. Press in live view, and the camera captures the set number of images according to the set interval. Press again to stop capturing.
Filename Header	Set the naming rule for the saved files. The default image naming is filename header + saving time. **Filename Header** is configurable. Saving time is the system time when the saving occurs.
SuperIR	Enable **SuperIR** before capturing to enhance object outlines on captured images.
File Naming	The files can be named after **Time Stamp** or **Numbering** (filename header + sequence number).
Save Visual Image	If a visual image is needed to be saved separately, enable **Save Visual Image** and set **Visual Image Resolution**.

NOTE

- For **Capture One Image**, the live image freezes and is saved in the default saving album.
- For **Scheduled Capture**, a counter displays in live view showing the completed amounts of capturing.

What to do next

- Tap to enter albums to view and manage files and albums. See ***5.3 Manage Albums*** and ***5.5 Manage Files*** for operation instructions.
- You can connect your device to PC to export local files in albums for further use. See ***5.6 Export Files***.

5.2 Record Video

Before You Start

Enable the flashlight via the swipe-down menu in dark environment.

1. In the live view interface, hold the capture key to start recording. The recording icon and count down number display in the interface.
2. When you finish, press to stop recording. The recording video will be saved automatically.
3. Optional: Go to **Local Settings** > **Capture Settings**, you can choose a video type from MP4 (.mp4) and radiometric video (.hrv).

5.3 Manage Albums

The recorded image/video files are saved in the albums. You can create new albums, rename an album, change the default album, move files between the albums, and delete albums.

Task	*Operations*
Create a New Album	*1)* Tap to enter **Albums**. *2)* Tap + to add a new album. *3)* A soft keyboard is displayed, where you can enter the name of the album by touching the screen. *4)* Tap ✓ to finish. **NOTE** The newly created album becomes the default saving album and appears at the top of the album list.
Rename an Album	*1)* Tap to enter **Albums**. *2)* Select the album to rename. *3)* Tap ···, and select **Rename**. A soft keyboard is displayed. *4)* Tap ⊗ to delete the old name, and enter the new name for the album by touching the screen. *5)* Tap ✓ to finish.

Task	Operations
Change the Default Saving Album	1) Tap to enter **Albums**. 2) Select the album you want to use as the default saving album. 3) Tap ···, and select **Set as Default Saving Album**. **NOTE** Default saving album appears at the top of the album list.
Delete an Album	1) Tap to enter **Albums**. 2) Select the album you want to delete. 3) Tap ···, and select **Delete**. A prompt box appears on the interface. 4) Tap **OK** to delete the album. **NOTE** The files in an album are deleted as well when deleting the album. Move the files to other albums if they are still needed. See ***5.5 Manage Files*** for instructions.

5.4 View Recorded Files

1. Press to enter **Albums**.
2. Tap to select the album storing the files.
3. Tap to select the video or snapshot to view.
4. View the selected file and relevant information.

NOTE

- Files are arranged in chronological order, with the most recent at the top. If you fails to find the most recently taken snapshots or videos, please check the time and date settings of your device. See ***8.2 Set Date and Time*** for instructions. When you are viewing files, you can switch to other files by tapping < or >.
- For more information contained in capture snapshots or videos, you can install the software to analyze them.

5.5 Manage Files

You can move, delete, edit the files, and add text notes to the files.

Task	Operations
Delete a File	1) Tap to enter **Albums**. 2) Tap to select the album storing the file to be deleted. 3) In the album, tap to view the file to be deleted.

Task	Operations
	4) Tap the screen to show the menu bar below, and tap . A prompt box appears on the interface. 5) Tap **OK** to delete the file.
Delete Multiple Files	1) Tap to enter **Albums**. 2) Tap to select the album storing the files to be deleted. 3) In the album, tap , and tap the files to be deleted. 4) Tap . A prompt box appears on the interface. 5) Tap **OK** to delete the files.
Move a File	1) Tap to enter **Albums**. 2) Tap to select the album storing the file to be moved. 3) In the album, tap to view the file to be moved. 4) Tap the file to show the menu bar below, and select . The album list is displayed. 5) Tap to select the album to move to.
Move Multiple Files	1) Tap to enter **Albums**. 2) Tap to select the album storing the files to be moved. 3) In the album, tap to select the files to be moved. 4) Tap . The album list is displayed. 5) Tap to select the album to move to.
Add Text Note on File	1) Tap to enter **Albums**. 2) Tap to select the album storing the file to be edited. 3) In the album, tap to view the file to be edited. 4) Tap the screen to show the menu bar below, and tap . A soft keyboard is displayed. 5) Enter the text note by touching the screen. 6) Tap to finish. ***What to do next*** You can open the edited photo to view the text note.

NOTE You can tap to select all files, and tap to cancel the selection.

5.6 Export Files

5.6.1 Export via HIKMICRO Viewer

1. Launch HIKMICRO Viewer and add the device. Refer to ***Chapter 6 Device Connections***.
2. Select **On-Device Files** on the app to access the on-device albums.
3. Select a file, and tap **Download** to save to your local albums.

5.6.2 Export via PC

1. Connect the device to your PC with the supplied USB cable, and select **USB Drive** mode as the USB mode in the prompt on the device. In **USB Drive** mode, casting screen is not supported.
2. Open the detected disk, copy and paste the videos or snapshots to PC to view the files.
3. Disconnect the device from your PC.

NOTE For the first connection, the driver will be installed automatically.

CHAPTER 6 DEVICE CONNECTIONS

6.1 Cast Device Screen to PC

The device supports casting screen to PC by UVC protocol-based client software or player. You can connect the device to your PC via the supplied USB cable, and cast the real-time live view of the device to your PC.

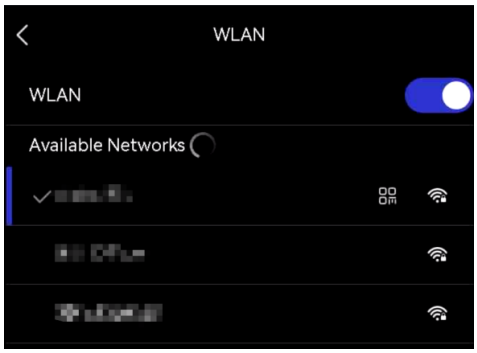
1. Download the UVC protocol-based client software from our official website:

   https://www.hikmicrotech.com/en/industrial-products/uvc-client/

2. Connect the device to your PC via the supplied USB cable, and select **USB Cast Screen** as the USB mode in the prompt on the device. In **USB Cast Screen** mode, exporting files to PC via USB connection is not supported.
3. Open UVC Alarm Client on your PC.

6.2 Connect Device to Wi-Fi

1. Go to **Local Settings** > **Connections** > **WLAN**.
2. Tap to enable Wi-Fi, and the searched Wi-Fi will be listed.



3. Select the Wi-Fi to connect to. A soft keyboard is displayed.
4. Enter the password by touching the screen.

NOTE

- DO NOT tap **space** in your password, or the password may be incorrect.
- Please tap ↵ to enter password into the password field.

5. Tap ✓ to save and connect Wi-Fi.

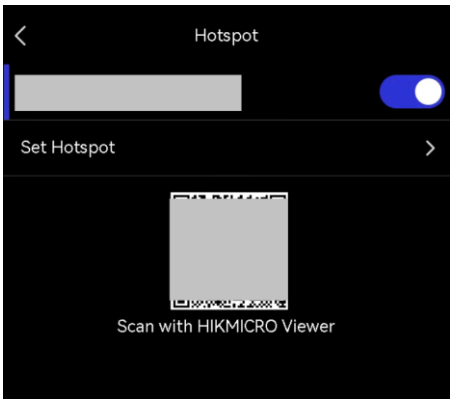
Result

A Wi-Fi icon shows on the main interface when the connection is completed.

6.3 Set Device Hotspot and Join

With the device hotspot, other equipment with Wi-Fi function can join the device for data transmission.

1. Go to **Local Settings** > **Connections** > **Hotspot**.
2. Tap to enable the hotspot function. The hotspot name is the last 9 digits of the device serial No.
3. Set the device's hotspot and join it with your phone.
   - **Using hotspot password**:
     1) Tap **Set Hotspot**. A soft keyboard is displayed.
     2) Set the password for the hotspot by tapping the screen.
     3) Tap ✓ to finish.
     4) Enable the Wi-Fi function of other equipment and search the device hotspot to join.
   - **Using hotspot QR code**: Scan the QR code with HIKMICRO Viewer to join the hotspot.



NOTE

- DO NOT tap **space** in your password, or the password may be incorrect.
- The password should at least contain 8 digits, consisting of numbers and characters.
- Please tap ↵ to enter password into the password field.

4. Tap ✓ to save.

CHAPTER 7 MOBILE CLIENT CONNECTION

The device supports both Wi-Fi connection and hotspot. Connect the device to HIKMICRO Viewer, and you can control the device via mobile client.

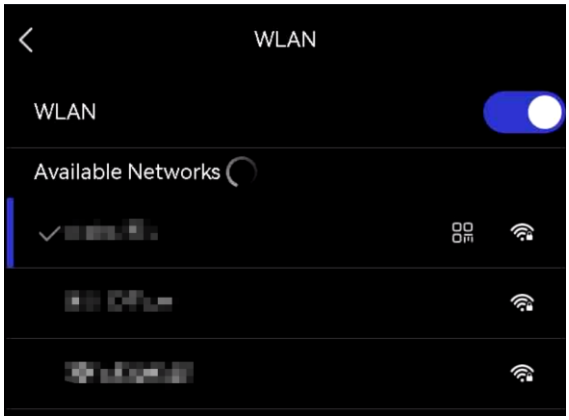
7.1 Connect via Wi-Fi

Before You Start

Download and install HIKMICRO Viewer on your phone.

1. Connect your device to a Wi-Fi network. See ***6.2 Connect Device to Wi-Fi*** for instructions.
2. Add the device to the app.

- Using Wi-Fi password.
  1) Enter password on phone to join the same Wi-Fi network.
  2) Launch the app and follow the startup wizard to create, and register an account.
  3) Search and add the device to the app.
- Scanning the Wi-Fi QR code.
  1) Tap next to the joined Wi-Fi on device to show the Wi-Fi QR code.
  2) Launch the app on your phone to scan to join the same Wi-Fi and add the device.



7.2 Connect via Hotspot

Before You Start

Download and install HIKMICRO Viewer on your phone.

1. Turn on the device hotspot and complete hotspot settings. See ***6.3 Set Device Hotspot and Join*** for instructions.
2. Connect your phone to the Hotspot of the device.

3. Launch the app and follow the startup wizard to create, and register an account.
4. Search and add the device to the mobile client.

NOTE For detailed instructions about adding the camera to the mobile application, please refer to the user manual embedded in the application.

CHAPTER 8 MAINTENANCE

8.1 View Device Information

Go to **Local Settings** > **Device Settings** > **Device Information** to view the device information.

8.2 Set Date and Time

1. Go to **Local Settings** > **Device Settings** > **Time and Date**.
2. Set the date and time.
3. Press 〈 to save and exit.

NOTE Go to **Local Settings** > **Device Settings** > **Display Settings** to turn on/off time and date display.

8.3 Upgrade Device

Before You Start

Please download the upgrade file from the official website ***http://www.hikmicrotech.com*** or contact the customer service and technical support to get the upgrade file first.

1. Connect the device to your PC via the supplied USB cable, and select **USB Drive** as the USB mode in the prompt on the device.
2. Unzip the upgrade file and copy it to the root directory of the device.
3. Disconnect the device from your PC.
4. Reboot the device and then it will upgrade automatically. The upgrading process will be displayed in the main interface.

NOTE After upgrading, the device reboots automatically. You can view the current version in **Local Settings** > **Device Settings** >**Device Information**.

8.4 Restore Device

Go to **Device Settings > Device Initialization > Restore Device** to initialize the device and restore default settings.

8.5 Save Operation logs

The device can collect its operation logs and save in the storage only for troubleshooting. You can turn on/off this function in **Local Settings** > **Device Settings** > **Save Logs**.

You can connect the camera to PC using the supplied USB cable, and select **USB Drive** as the USB mode on camera to export the operation logs (.log files) in the root directory of the camera, if necessary.

8.6 Initialize Storage

Go to **Device Settings** > **Device Initialization** > **Format Storage** to initialize the storage.

Caution If there are files, make sure that the files have been backed up before formatting. Once the storage is initialized, data and files cannot be recovered.

8.7 About Calibration

We recommend you send the device back for calibration once a year, and please contact the local dealer for the information on maintenance points. For more detailed calibration services, please refer to ***https://www.hikmicrotech.com/en/support/calibration-service.html***

CHAPTER 9 FAQ

Scan the following QR code to get device common FAQ.

LEGAL INFORMATION

Read all information and instructions in this document carefully before using the device and keep it for further reference.

For more device information and instructions, please visit our website at http://www.hikmicrotech.com. You can also refer to other documents (if any) accompanying the device to get more 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 (***http://www.hikmicrotech.com***).

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

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REGULATORY INFORMATION

These clauses apply only to the products bearing the corresponding mark or information.

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Directive 2014/30/EU (EMCD), Directive 2014/35/EU (LVD), Directive 2011/65/EU (RoHS).

Hereby, Hangzhou Microimage Software Co., Ltd. declares that this device (refer to the label) is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: https://www.hikmicrotech.com/en/support/download-center/declaration-of-conformity/

Frequency Bands and Power (for CE)

The frequency bands and modes and transmitting power (radiated and/or conducted) nominal limits applicable to the following radio equipment are as follows:

Wi-Fi: 2.4 GHz (2.4 GHz to 2.4835 GHz): 20 dBm

For the device without a supplied power adapter, use the power adapter provided by a qualified manufacturer. Refer to the product specification for detailed power requirements.

For the device without a supplied battery, use the battery provided by a qualified manufacturer. Refer to the product specification for detailed battery requirements.

Directive 2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

Directive 2006/66/EC and its amendment 2013/56/EU (Battery Directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or

mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-003 (B)/NMB-003 (B) standards requirements.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

Conformité Industrie Canada ICES-003

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement.

KC

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4. Datenschutz-Hinweis:

Altgeräte enthalten häufig sensible personenbezogene Daten. Dies gilt insbesondere für Geräte der Informations- und Telekommunikationstechnik wie Computer und Smartphones. Bitte beachten Sie in Ihrem eigenen Interesse, dass für die Löschung der Daten auf den zu entsorgenden Altgeräten jeder Endnutzer selbst verantwortlich ist.

5. Bedeutung des Symbols „durchgestrichene Mülltonne“:

Das auf Elektro- und Elektronikgeräten regelmäßig abgebildete Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass das jeweilige Gerät am Ende seiner Lebensdauer getrennt vom unsortierten Siedlungsabfall zu erfassen ist.

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