



HIKMICRO Viewer iOS mobile client

User manual

Legal information

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About this guide

This manual contains instructions for using and handling the product. The images, diagrams, figures and any additional information contained herein are for description and explanation purposes only. The information in this manual is subject to change without notice due to firmware updates and other reasons. The latest version of this manual is available on the HIKMICRO website (<http://www.hikmicrotech.com>) can be found.

Use the Guide in conjunction with the support and guidance of professionals qualified to provide product support.

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Meaning of symbols

The symbols used in this document have the following meanings.

Symbol	Description
 Hazard	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 Warning	Indicates a potentially hazardous situation which, if not avoided, may result in damage to equipment, loss of data, reduced performance, or unexpected results.
 Comment	It contains additional information that highlights or supplements important parts of the main text.

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Chapter 1 Introduction

Overview

HIKMICRO Viewer mobile client enables remote management and control of thermography and thermal imaging devices via Wi-Fi, 3G or 4G networks. After logging into a device in the mobile client, you can perform operations such as viewing live video, detecting temperature changes, measuring real-time temperature, measuring the temperature of points and areas in captured images, and generating reports after analyzing captured images.



Comment

- Wi-Fi, 3G or 4G access service must be supported on your phone or on a tablet.
 - Network traffic charges may occur when using the mobile client. Please contact your local Internet service provider.
-

System requirements

iOS 11 or later

Agreements

For the sake of simplicity, in the following chapters, we refer to the "HIKMICRO Viewer mobile client" as the "mobile client" and the "thermographic device, thermal imaging device, thermographic automation camera, and security thermal camera" as the "device".

Chapter 2 Downloading the mobile client

You can download the mobile client as follows.

iOS

Download the mobile client by scanning the QR code below.



Figure 2-1 QR code

Chapter 3 Logging into the device

The software offers two methods to search for device(s), namely, searching by manually entering the device's IP address, and automatically detecting device(s) within the same LAN as your phone or tablet. You can then log in to the device and perform additional operations, such as temperature measurement and updating the device's firmware on the software.



Comment

For iOS 11 and later, automatic detection of device(s) on the same local network as your phone or tablet is not available. In this case, please log in to the device manually.

3.1 Logging in to the detected online device

Devices on the same local area network (LAN) as your phone are automatically detected, and you can select one of them to log in.

Steps



Comment

- Thermographic automation cameras, thermographic cube cameras and security cameras
For thermal cameras, you can only log in manually. For details, see ***Manually logging into the device***.
 - This feature is not available for iOS 11 and later. Please enable it manually.
log in to the device. For details, see ***Logging in to the device manually***.
-

1. On the home screen, tap **Handheld**.

Three ways to connect the device(s) and phone to the same LAN are displayed on the page as follows:

- Method 1: Connect device(s) to your phone's hotspot.
 - Method 2: Connect your phone to the device's hotspot.
 - Method 3: Connect the device(s) and phone to the same Wi-Fi.
-



Comment

If this is not the first time you've connected the device to your phone, tap **Help** to view instructions for connecting the device.

2. Select the method and follow the wizards to pair your phone and device(s) to the same LAN.
To connect to a LAN.

The software will start searching for device(s) on the same LAN as your phone (or tablet),

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then displays the detected device(s).

3. Select a device.

4. Activate the device if it has not already been activated.



Comment

- Skip this step if the device is already activated.
 - For details on activating the device, see *Activating the **Device*** . _____
-

5. Enter the device password in the pop-up window, then tap **Confirm** .
to log in to the device.



Comment

The device password is created when you activate the device. For details, see *Activating a Device* . _____

3.2 Manually logging into the device

If the software does not detect a device on the same local network as your phone (or tablet), you can try to log in to the device manually.

Before you start

Make sure the device and your phone (or tablet) are on the same local network, or you have connected the device to your phone's hotspot.

Steps

1. On the home page, tap **Handheld** › **Manual Login** to enter the Manual Login page.

2. Enter the IP address of the device.



Comment

To check your device's IP address, go to **Settings** › **Device Info** on your device .

3. Enter the device password.



Comment

The default password for the device is abcd1234.

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Comment

We strongly recommend that you create a strong password of your own choosing (at least 8 characters and containing at least three of the following categories: uppercase letters, lowercase letters, numbers, and special characters) to increase the security of your product. We also recommend that you change your password regularly; especially in high-security systems, changing your password monthly or weekly provides better protection for your product.

4. Tap **Confirm** to log in to the device.

If the device has already been activated, you will log in directly to the device.

If the device is not activated, it must be activated first. For details on activating the device, see **Activating a Device**.

3.3 Device activation

When you sign in to a device that you haven't activated yet, a window will pop up asking you to activate the device.

Steps



Comment

You must activate the device before you can access it.

1. Log in to the device. For details, see **Log in to a detected online device** and **Log in to the device manually**.
 2. Tap the **Activate** button on the window to open the Activate Device window.
 3. Create a password for the device and then confirm it.
-



Warning

The software automatically determines the strength of the password, and we recommend that you use a strong password for data security. A strong password is 8 to 16 characters long and must contain at least two of the following categories: numbers, lowercase letters, uppercase letters, and special characters.

4. Tap the **Activate** button to activate the device.

3.4 Device settings

On the Device Settings page, you can view device information, edit the device name, update the device firmware, set the live view sound, set the alarm notification, and log out of the device.

After logging into the device,



by tapping the icon you can enter the

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Device settings page.

View device information

You can view device information, including the device model, serial number, and the device's current firmware version.

Edit device name

You can customize the device name to distinguish it from other devices when searching for devices online.



Comment

The device name must be 1-16 characters long.

Device update

If a new version of the device's firmware is available, **New version** appears in red in the **Device Update** field.

Tap **New version** and follow the instructions to download the update package and then update the device's firmware.



Comment

- The update package download is only available over the wide area network (WAN). If your phone is not connected to the WAN, you must switch to the WAN first.
 - After the update is complete, the device will automatically restart. During the restart, the device will be temporarily unavailable for login.
-

Setting Live View Audio

You can turn on the **Audio** feature to receive and play live audio from the device.

Setting up an alarm notification

You can turn on the **Alarm Notification** feature to receive high temperature alarm notifications from the device. For details, see the **Alarm Notification** section.





Comment

Make sure you have enabled and configured the alarm settings, such as the alarm threshold, on the device. Otherwise, you will not receive notifications even if **Alarm Notification is enabled in the software**. For details on configuring the alarm settings, see the device's user manual.

Chapter 4 Live View

After logging into the device, the device's live video will automatically start playing.
You can perform operations such as configuring palettes, measuring temperature, and capturing and recording.





 **Comment**

- During live view, tap / to lock/unlock the  orientation.

4.1 Switching to thermal/optical view

You can switch the image mode to thermal mode, optical mode, PIP mode, and combined mode.
To change the picture mode, tap the following icons on the toolbar.

Table 4-1 Picture Mode Description


Icon	Name	Description
	Thermal mode	In thermal mode, the device displays the thermal view.
	PIP mode	In PiP (picture in picture) mode, the device displays the thermal view integrated into the optical view.
	Optical mode	In optical mode, the device displays the optical view.
	Combined mode	In combined mode, the device is used for the thermal channel and displays a combined view of the optical channel.

4.2 Setting the temperature measurement parameters

Before temperature measurement, you need to set the temperature measurement parameters, including the emission factor and background temperature, etc. Inappropriate temperature measurement parameters will affect the accuracy of temperature measurement.

Steps 1.

Swipe left on the toolbar to see all the icons on the toolbar.

2. Tap the icon  when the icons that appear to set the temperature measurement parameters.



Set the value to the emission factor of the target material.



Comment

The emissivity of a material's surface is the efficiency of emitting energy as thermal radiation. See the ***Emissivity of Everyday Materials reference*** for the emissivity of everyday materials.



Set the straight-line distance (unit: m) between the target and the device.



Set the average ambient temperature (unit: °C).




Set the temperature unit. You can choose Celsius, Fahrenheit, or Kelvin.

4.3 Measuring the temperature of a point in live view


The software can find the hottest point, the coldest point and the middle point on the live video image. You can also view the real-time temperature of the above-mentioned points during live view.



Comment

- If you have been using live view for a long time, the  Tap the icon to first calibrate the device to ensure the accuracy of the temperature measurement.
 - During live view, you can check the remaining power of the device by looking at the battery icon in the lower left corner.
-

Midpoint temperature measurement

Tap  to see the real-time temperature of the center point of the live video image.





should appear as follows:

Cen:28.4



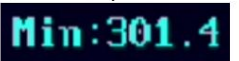
To hide the temperature, tap

the icon again.

Hot spot temperature measurement

Tap the  icon to select the  hottest spot in the image.  as an icon and the real-time temperature  icon. To hide the point and temperature tap the icon again.

Cold spot temperature measurement

Tap  to display the  coldest spot on the image as an icon. To hide the spot and temperature  temperature tap the icon again.


4.4 Measuring frame temperature in live view

You can set frames on the live video image and the software will measure the highest temperature, lowest temperature and average temperature in the frame.

Steps



Comment

- If you have not launched the live view for a long time, please drag the toolbar to the right and tap to calibrate the  device first to ensure the accuracy of temperature measurement.
- During live view, you can check the remaining power of the device by looking at the battery icon in the lower left corner.

1. Tap the  icon on the  toolbar to set a frame on the live video image.



Comment

- You can set up to 3 frames on the live video image.

2. Optional: Edit the frame.

Moving a frame

To move the frame, drag the frame.

Delete frame

To delete the frame, tap the **Delete** button above the frame.

Shape and size setting

To adjust the shape and size of the frame, drag a corner of the frame.

You can pinch and pinch your fingers inside the frame to adjust the shape and size of the frame.

3. To confirm the frame settings, tap an area outside the frame on the image.
The highest temperature, lowest temperature, and average temperature are displayed in the frame.



Figure 4-1 Frame temperature

4. Optional: Tap the image, then tap the frame to re-edit the frame.


4.5 Setting palettes for live video

The palette is the color scheme used to display the thermal image. You can choose from different palette modes, including warm white, warm black, fusion, rainbow, rust red, warm red, and rain.



Comment

Palette settings are not supported in optical mode. See ***Switching to Thermal/_____***
Optical View for details.

Tap  icon and then select a palette mode.

Warm white

Warm areas are light in color in this view.

Warm-black

Hot parts appear black in this view.

Rainbow

The target displays multiple colors, suitable for locations where there is no obvious temperature difference.

Rust red

If the color is close to yellow, the temperature is high. If the color is close to purple, the temperature is low. In this mode, the outline of the target is clear and the hot spot is easy to find. This mode is commonly used in the energy industry.

Warm red

Hot areas appear in red in this view.

Fusion

The hot part is colored yellow and the cold part is colored purple in the view.

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Rain

The hot parts in the image are colored, the rest are blue.

4.6 Manual video recording and image capture

You can record video manually and capture images during live view.

Steps

1. Log in to the device.



Comment

For details, see [*Logging in to your device*](#).

2. Record the video or capture the image.

Capture image

- Tap **Image** to capture the image.
- Press the volume up button on your phone to capture images. The interval for capturing images is 1 second.
- This feature only supports radiometric images.

Video recording

Tap **Video** to start recording live video, then tap icon to stop.



Comment

- Make sure you have at least 512 MB free space on your phone
there is storage space.
 - The valid recording time ranges from 2 seconds to 2 minutes.
-

Recorded videos and captured images can be viewed and managed on the Image and Video Management page. For details, see [*Image and Video Management*](#).

4.7 Starting two-way audio

Two-way audio enables voice chat between the software and the device, allowing you (the software user) and the device user to communicate in real time. This is useful for a variety of use cases. For example, suppose you need to install temperature measuring devices at the entrances and exits of a company in a city where a pandemic is breaking out, you can use two-way audio to conduct distance learning instead of on-site instruction to avoid the risk of infection.

After logging into the device on the software, tap



icon for two-way audio

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to start.



Comment

If you receive a phone call or exit the software during two-way audio, two-way audio will be terminated.

Chapter 5 Alarm Notification

The software can notify you when a high temperature alarm has occurred on your device and allows you to view alarm details, such as the alarm time, current temperature, and captured images.



Comment

To receive alert notifications in the software, make sure that:

- You have enabled and configured alarm settings, such as the alarm threshold, on the device.

For details on configuring alarm settings, see the device user manual.

- You have enabled alarm notification in the software. See **Device Settings** for instructions.
-

After turning on alarm notification, an alarm window will pop up in the live view when an alarm occurs. You can also view all alarms in the Alarm History.

Pop-up alert window

The alarm pop-up window displays alarm information, such as the highest detected temperature, the set alarm threshold, and the captured optical and thermal images.

To acknowledge the alarm, tap the **Acknowledge** button, or you can dismiss the alarm and acknowledge it later in the Alarm History.

Alarm history

Tap In the  icon to enter the Alarm History page.

Alarm History, you can view all alarms in chronological order. You can tap any alarm to view detailed alarm information and acknowledge or clear the alarm.

To acknowledge or clear all alarms, tap **Acknowledge All** or  button and then tap **Clear**.

Chapter 6 Image and Video Management

In the Image and Video Management module, you can view and manage recorded video files and captured images. For captured images, you can measure the temperature of points and frames in the image, set the alarm temperature to highlight temperature exceptions, set different palette modes for thermal analysis, and generate reports after analyzing captured images.



Comment

The Image and Video page contains two images and one video that can be used for all functions in the Image and Video Management module.

6.1 Viewing images

You can view captured images on the Image and Video Management page.


Steps 1.

Enter the Image and Video Management page.



- On the mobile client home page, tap **Photo & Video**.
- In the lower left corner of the Live View page, tap the captured image or recorded video thumbnail, then tap the larger image or video again and tap the **Set Image & Video** button.



Comment

- You can also view the last captured image by tapping the thumbnail image. You can edit the image by tapping the  image by tapping the larger image icon according to the steps below.
 - to quickly return to the Live View page.
-

2. Tap on a specific image to view a larger image.

3. Optional: Tap  to edit the image. 

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Adjust Contrast Tap the **Contrast** button to adjust the temperature of the thermal analysis. to adjust the range of the image to filter out unnecessary colors.

Automatic

The temperature range is from the lowest temperature to the highest temperature in the original image.

Manual

Drag the red line on the temperature bar to set the temperature range.

1-tap

After selecting this mode, tap the image and the measurement frame will automatically appear. You can move the frame to adjust its position or drag a corner of the frame to adjust its size. The clarity of the image will change at the same time as you adjust. The highest and lowest temperatures in the frame area are the upper and lower limits of the contrast range.



Comment

After switching to Auto or Manual mode, the frame setting is automatically saved and the frame is hidden. After switching back to 1-tap mode, the gauges set in other modes are hidden and only the 1-tap mode frame is displayed.

Temperature m

Tap the **Temp. unit** button to change the temperature unit displayed on the screen.

Set a note

Tap the **Comment** button to add a comment to the image.

View device information

Tap **Device Info** to view your device's model and serial number.

4. Optional: If you set contrast or annotation in the previous step, save the settings.

- Tap **Save** ÿ **Save As to** save as a new image.
- Tap **Save** ÿ **Overwrite** to overwrite the original image.

6.2 Viewing pictures and videos on your device

You can view, filter, download, and delete images and videos stored on your device's SD card.

Before you start

Make sure the device is logged in to the mobile client.

Steps 1.

Tap **Files on Device on** the home page.

2. Select a device.

On this page, you can also tap the **Manual Sign In** button to manually sign in to the device. For details, see **Manual Sign In to the Device**.

3. Select the folder.

The pictures and videos in the folder will appear.




4. Optional: To filter files, select **All types**, **Images only**, or **Videos only**.

All images and videos are displayed, or only images/videos are displayed.

5. Optional: Set the start and end times to view captured images and recorded videos for the specified period.

6. Optional: Perform the following actions.

Download images or videos




- Tap a larger version of a specific image or video and tap . The image or video will be downloaded from your device's SD card to your local system. To view the downloaded file, tap the **Image & Video** button on the Home screen.
- Tap  to select one or more images or videos, and then tap . The selected images and videos will be downloaded from the device's SD card to the local system. To view the downloaded files, tap the **Image & Video** button on the Home screen.



Comment

If you have enabled **Save pictures to phone** on the Settings page function, the images are simultaneously downloaded to the phone's photo album.

Deleting pictures or videos

- Tap a larger version of a picture or video and tap . The picture or video stored on your device's SD card will be deleted.
- Tap to select,  button to select one or more images or videos. then tap The selected pictures or videos  The tool stored on your SD card will be deleted.

6.3 Switching to thermal/optical view on a fixed image

For the captured image, you can change the image mode between thermal mode, optical mode, PIP mode, and combined mode.

Enter the Image and Video Management page using one of the following methods.

- On the mobile client home page, tap **Picture & Video**.
- In the lower left corner of the Live View page, tap the thumbnail of the captured image or recorded video, then tap the larger image or video again and tap **Set Image and Video** button.



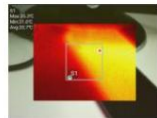
Comment

- After tapping the larger image, follow the icon to edit the image as follows steps.
- Tap the icon to quickly return to the Live View page.

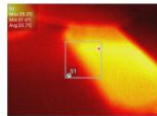
On the Picture and video management page, tap to icon, then tap /// icon to switch the picture mode.



Table 6-1 Picture Mode Description

Icon	Name	Description
	Thermal mode	In thermal mode, the device displays the thermal view.
	PIP mode	In PiP (picture in picture) mode, the device displays a thermal view integrated into the optical view.  Figure 6-1 PIP mode
	Optical mode	In optical mode, the device displays the optical view.
	Combined mode	In combined mode, the device displays a combined view of the thermal channel and the optical channel.

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Icon	Name	Description
		 <p>Figure 6-2 Combined mode</p>

6.4 Setting the thermal measurement parameters of the captured image



Before taking temperature measurements on a captured image, you need to set the temperature measurement parameters, such as the emissivity and ambient temperature. The temperature measurement parameters affect the accuracy of the temperature measurement.


First, enter the Image and Video Management page using one of the methods below.

- On the mobile client home page, tap **Picture & Video**.
- In the lower left corner of the Live View page, tap the thumbnail of the captured image or recorded video, then tap the larger image or video again and tap **Set Image and Video** button.



Comment

- After tapping the larger image, follow the  icon to edit the image as follows steps.
- Tap  to quickly return to the Live View page.

On the Image and Video Management page, tap the image and then tap  to set the thermal measurement parameters. After setting the parameters, you can tap **Save** to overwrite the original image or save the image as a new image.

Emission factor

Set the value to the emission factor of the target material. The default value is 0.97.



Comment

The emissivity of a material's surface is the efficiency of emitting energy as thermal radiation. See the ***Emissivity of Everyday Materials reference*** for the emissivity of everyday materials.

Distance

Set the straight-line distance (unit: m) between the object to be measured and the device.

The default value is 2 m.

Background temperature

Set the environment (unit: °C) to the environment where the device is located.



6.5 Measuring spot temperatures of the captured image


You can view the highest temperature point, the lowest temperature point, the point in the middle, and the temperature of any other point in the captured image.

First, enter the Image and Video Management page using one of the methods below.

- On the mobile client home page, tap **Picture & Video**.
 - In the lower left corner of the Live View page, tap the thumbnail of the captured image or recorded video, then tap the larger image or video again and tap **Set Image and Video** button.
-

Comment

- After tapping the larger image,  icon to edit the image as follows follow the steps.
 - Tap  icon to quickly return to the Live View page.
-

On the Image and Video Management page, tap an image, and then tap  to display the temperature measurement toolbar.

Midpoint

Displays the center point of the image and its temperature in the image.

Hot Spot

Displays the hottest spot on the image and its temperature.

Cold Spot

Displays the lowest temperature spot on the image and its temperature.

Custom Displays a movable point and its temperature on the image. You can drag the point and its temperature will change accordingly.

Comment

You can customize up to 3 points for temperature measurement.

Comment

You can tap **Delete** to delete all points in the image.

6.6 Measuring frame temperatures of a captured image

You can set frames on the captured image and the software can measure the highest temperature, lowest temperature, and average temperature in the frame.

Steps



Comment



You can set up to 3 frames on the captured image.

1. Go to the Image and Video Management page.
 - On the mobile client home page, tap **Photo & Video**.
 - In the lower left corner of the Live View page, tap the captured image or recorded video. thumbnail, then tap the larger image or video again and tap the **Set Image & Video** button.



Comment

- After tapping the larger image, follow  icon to edit the image as follows the steps.
 - Tap  icon to quickly return to the Live View page.
-

2. On the Picture and Video Management page, tap a picture, then tap  icon, the to enter edit mode.
3. Tap the  icon on the toolbar to set a frame on the captured image.
4. Optional: Edit the frame.

Moving a frame

To move the frame, drag the frame.

Delete frame

To delete the frame, tap the **Delete** button above the frame.

Shape and size setting

To adjust the shape and size of the frame, drag a corner of the frame.

You can pinch and pinch your fingers inside the frame to adjust the shape and size of the frame.

5. To confirm the frame settings, tap an area of the image outside the frame.
The highest temperature, lowest temperature, and average temperature are displayed in the frame. The blue dot represents the point with the lowest temperature, and the red dot represents the point with the highest temperature.

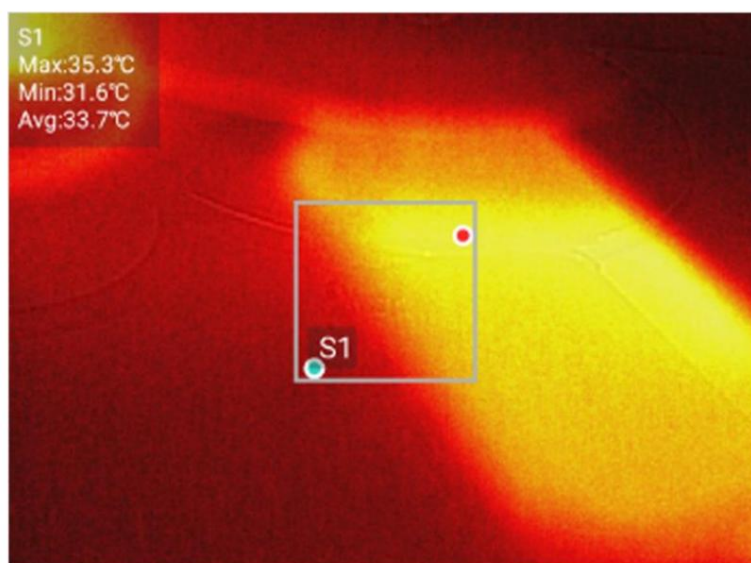


Figure 6-3 Frame temperature



6.7 Setting alarm temperature for captured image



Alarm temperatures are threshold temperatures that can be used to highlight areas with temperature exceptions in the captured image. Temperature exceptions occur when the temperature is higher/lower than the thresholds, or when a temperature is within or beyond the interval. Areas with temperature exceptions will be marked with a different color. The function can be used in various thermal analysis cases, such as detecting sick livestock with abnormal body temperatures during quarantine inspection.

First, enter the Image and Video Management page using one of the methods below.

- On the mobile client home page, tap **Picture & Video**.
- In the lower left corner of the Live View page, tap the thumbnail of the captured image or recorded video, then tap the larger image or video again and tap **Set Image and Video** button.

Comment

- You can tap the larger image to follow the steps  icon to set the alarm temperature below.
 - Tap the  icon to quickly return to the Live View page.
-

On the Image and Video Management page, tap an image, and then tap  to set the alarm temperature. After setting the alarm temperature, you can tap **Save**  command to overwrite the original image or save the image as a new one.

High

If the temperature of a part of the image is higher than the configured temperature, that part will appear in red.

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The settings can be used in cases such as determining whether there are any components in the power plant that are operating with exceptions.

Low

If a part of the image has a temperature lower than the configured one, that part will appear blue.

The settings can be used in cases such as determining whether there are any components in the power plant that are operating with exceptions.

Interval

If the temperature of a part of the image is within the configured interval, that part will be displayed in yellow. The settings can be used in situations such as detecting people or other homeothermic animals at night.

Insulation

In the image, the part with a temperature higher than the configured maximum temperature is shown in purple; the part with a temperature lower than the configured minimum temperature is shown in green. The part within the configured temperature range is shown in black.

The settings can be used in cases such as detecting animals with abnormal body temperatures during quarantine checks.

6.8 Setting palettes for the captured image


A palette is a color scheme used to display a thermal image. You can select different palette modes for the captured image, such as Warm White and Rust Red.


First, enter the Image and Video Management page using one of the methods below.

- On the mobile client home page, tap **Picture & Video**.
- In the lower left corner of the Live View page, tap the thumbnail of the captured image or recorded video, then tap the larger image or video again and tap **Set Image and Video** button.

Comment

- After tapping the larger image, follow  icon to edit the image as follows the steps.
 - Tap  icon to quickly return to the Live View page.
-

On the Picture and video management page, tap a picture, then tap to enter  icon, editing the mode.

You can tap  icon and select the palette mode. After setting the palette mode Save to overwrite the original image or save the image as a new one.

Warm white

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Warm parts are light colored in this view.

Warm-black

Hot parts appear black in this view.

Rainbow

The target displays multiple colors, suitable for locations where there is no obvious temperature difference.

Rust red

If the color is close to yellow, the temperature is high. If the color is close to purple, the temperature is low. In this mode, the outline of the target is clear and the hot spot is easy to find. This mode is commonly used in the energy industry.

Warm red

Hot areas appear in red in this view.

Fusion

The hot part is colored yellow and the cold part is colored purple in the view.

Rain

The hot parts in the image are colored, the rest are blue.

Ice Fire

The hot part is an eye-catching red color and the cold part is an eye-catching blue color.

Glowing green

Hot parts are colored red.

Color

The colors are opposite each other on the color wheel, with less contrast.

Sepia

The hot part is colored yellow and the cold part is colored brown in the view.

Dark blue

The cold part is colored blue, the warm part is colored green, and the hot part is colored white.

6.9 Report creation

You can analyze the captured images and generate a report. In the report, you can view the visible and thermal images of the location, as well as thermal measurement parameters (e.g., emission coefficient and distance). You can also edit the report, save it to your phone, or share it with others.



Steps


Comment

This feature does not support video analysis.

1. Go to the Image and Video Management page.
 - On the mobile client home page, tap **Photo & Video**.
 - In the lower left corner of the Live View page, tap the captured image or recorded video thumbnail, then tap the larger image or video again and tap the **Set Image & Video** button.


Comment

- You can skip steps 2 and 3 by tapping the thumbnail of the captured image, and then tap to create a  report of the image according to the next steps.
 - Tap  to quickly return to the Live View page.
-

2. Tap  icon to select images for analysis.

Comment

Up to 16 images can be analyzed at a time.

3. Tap 4. Enter .
a name and description for the report, then tap **Confirm** to submit the report.
to prepare it.
5. Optional: On the Edit Report page, you can add a comment for each item in the report.
to the side.
6. Tap **Finish** to preview the report in PDF format.

Comment

Editing the report is not supported during preview.

7. The  You can tap to share the report with others or save it to your phone.

6.10 Watching videos

You can view recorded video files and capture images.

Steps 1.

Enter the Image and Video Management page.

- On the mobile client home page, tap **Photo & Video**.
- In the lower left corner of the Live View page, tap the captured image or recorded video. thumbnail, then tap the larger image or video again and tap the **Set Image & Video** button.



Comment

- You can also view the latest recorded video by tapping the thumbnail.
 - Tap the icon to quickly return to the Live View page.
-

2. Tap a video file, then tap 3.  icon to play the video file.

Optional: Tap  icon to pause.

6.11 Exporting images and videos to the photo album

You can export captured images and recorded video files to the photo album on your phone or tablet.

Steps



Comment


You can only export a video file no larger than 120 MB to your phone or tablet's photo album.

1. Go to the Image and Video Management page.



- On the mobile client home page, tap **Photo & Video**.
- In the lower left corner of the Live View page, tap the captured image or recorded video. thumbnail, then tap the larger image or video again and tap **Set Image & Video**.



Comment

- Tap the larger image, tap the  icon to enlarge the image or video. to export to your phone or tablet's photo album.
 - Tap the icon to quickly return to the Live View page.
-

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2. Export images and video files to your phone or tablet's photo album.
 - Select a specific picture or video, then tap  to save the picture or video file to your phone or tablet's photo album.
 - Tap **Select** and select images or video files, then tap  to save images and videos to your phone or tablet's photo album.

6.12 Sharing pictures and videos

You can share captured images and recorded (or cropped) video files with other apps, such as Message and Twitter.



Steps


Comment

Only video files no larger than 30 MB can be shared.

1. Go to the Image and Video Management page.
 - On the mobile client home page, tap **Photo & Video**.
 - In the lower left corner of the Live View page, tap the captured image or recorded video thumbnail, then tap the larger image or video again and tap the **Set Image & Video** button.

Comment

- By tapping the larger image, you can tap the  icon to share the image or video with others for sharing.
 - Tap  to quickly return to the Live View page.
-

2. Share a specific image or video, or share images and video files in batches.
 - Tap on a specific image or video to share it with the  icon and select an application from the selected app.
 - Tap and select a picture or video file, then tap and select an app to share the pictures and videos with the selected app.

6.13 Deleting pictures and videos

You can delete the images or videos you have captured or recorded.

Steps 1.

Enter the Image and Video Management page.


- On the mobile client home page, tap **Photo & Video**.
- In the lower left corner of the Live View page, tap the captured image or recorded video.

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thumbnail, then tap the larger image or video again and tap the **Set Image & Video** button.



Comment

- By clicking on the larger image, you can tap  icon to delete the image.
 - By tapping the icon, you can quickly return to the Live View page.
-

2. Delete pictures and videos

- Select a specific picture or video and tap  icon for the image or video to delete.
- Tap to delete  icon and select pictures and videos, then tap  icon on selected pictures and videos.

Chapter 7 Local Settings

You can configure local settings for the mobile client, including automatic login settings, sending feedback, checking and updating the software version, etc.

Tap **Settings** on the Home screen. You can configure or view the following parameters.

Save pictures to your phone

After enabling this feature, when you download images on your device, they will also be downloaded to your phone's photo album at the same time.

Clear cache

You can clear caches (including downloaded device update packages) from the Mobile Client.

Feedback

- Tap **Email Us** to send us your comments and suggestions regarding the development of this Mobile Client via email. We are constantly working to ensure the usability of the application.
- Tap **Find us on Facebook** to go to Facebook.
to log in and send your comments and suggestions regarding the development of this Mobile client. We are constantly working to ensure the usability of the application.

Help

You can view the application's user guide.

About

View and update your software version, and view the privacy policy, open source license, and software license agreement.

Comment

If a new version is available, a red dot will appear in **About** , you can tap **About** › **Update software version** to enter the App Store and update.

A. Common material emission factor reference

The table below contains emission factors for some common substances.

Table A-1 General emission factors

Material	Emission factor
Human skin	0.98
NECK	0.91
Cement Concrete	0.95
Ceramics	0.92
Tire	0.95
Paint	0.93
Wood	0.85
Asphalt	0.96
Brick	0.95
Sand	0.9
Earth	0.92
Cotton	0.98
Cardboard	0.9
White paper	0.9
Water	0.96



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