



# **HIKMICRO Sight iOS Mobile Client**

**User Manual**

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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> ).

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## Symbol Conventions

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

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

# Contents

<b>Chapter 1 Introduction .....</b>	<b>1</b>
<b>Chapter 2 Connect Detected Device .....</b>	<b>2</b>
2.1 Connect Device .....	2
<b>Chapter 3 Live View .....</b>	<b>3</b>
3.1 Set Fusion Mode for Thermal Binoculars .....	3
3.2 Set Palettes for Thermal Monocular and Thermal Scope .....	4
3.3 Capture and Recording .....	4
3.4 Enable Device Laser .....	5
3.5 Enable Laser Ranging .....	5
3.6 More Functions .....	6
<b>Chapter 4 Picture and Video Management .....</b>	<b>8</b>
4.1 View Pictures .....	8
4.2 View Videos .....	8
4.3 View Pictures and Videos Stored on the Device SD Card .....	9
4.4 Export Pictures/Videos to Photo Album .....	10
4.5 Delete Pictures and Videos .....	10
<b>Chapter 5 General Settings .....</b>	<b>12</b>
5.1 Device Settings .....	12
5.2 Local Settings .....	13

# Chapter 1 Introduction

## Overview

HIKMICRO Sight Mobile Client, which allows you to connect the thermal imaging devices via device hotspots, can be used to configure the device parameters, adjust the settings of the live view, as well as capture pictures and record video footage. With the Mobile Client, you can optimize the view of the device to meet your requirements in scenarios such as search and rescue or hunting at night.

The supported device includes handheld thermal scope, handheld thermal monocular, and handheld thermal binoculars.

## System Requirements

iOS 11 or later versions.

## Conventions

For the concision of description, we simplify "HIKMICRO Sight Mobile Client" as "Mobile Client", and "thermal scope, handheld thermal monocular, or thermal binoculars" as "device" in the following chapters.

## Chapter 2 Connect Detected Device

You should connect the device to the client before you can perform further operations such as viewing thermal view and setting palettes.

### 2.1 Connect Device

The Mobile Client will automatically detect the device via the device hotspot. When a device is detected, you can connect the device to the client.

#### Before You Start

Make sure the device hotspot has been enabled. For details about how to enable the device hotspot, refer to the user manual of the device.

#### Steps



#### Note

The distance between the device and the phone should be within 10 meters.

1. Start the Mobile Client.
2. Tap **Device Connection**.
3. Follow the wizard to connect your phone to the device hotspot.



#### Note

- The next time when the Mobile Client detects the same device, the device will be automatically connected to the client.
- The information of devices (8 devices at most) that have been connected to the client successfully will be saved on the client. Tap **Me** on the Home page to enter the Settings page to view the device information.
- Up to 1 device can be connected to the client at the same time.
- For the device that has been activated, if its password is not abcd1234, you need to enter the password manually to log in to the device. If you have forgotten the password, it is recommended that you restore the device to its factory settings for better experience.

Tap **Connected. Start live view.** to enter the live view page.

## Chapter 3 Live View

After connecting the device, the live view of the device will appear automatically. You can perform operations such as palettes configuration, fusion mode configuration, and capture and recording.



### Note

- The distance between the device and the phone should be within 10 meters.
- Landscape screen mode is supported for live view and the pictures and videos taken will always be in portrait mode.

### 3.1 Set Fusion Mode for Thermal Binoculars

The binoculars has dual-lens: thermal and optical lens. You can set the thermal/optical view to show the thermal channel, optical channel, or both them combined (fused).



### Note

Fusion mode settings is not supported by thermal scope and thermal monocular.

Tap  and then select a fusion mode.

#### Thermal

The device displays the thermal view.

#### Optical

The device displays the view of visible light channel.

#### Fusion B/W

The device displays the fusion view of the thermal channel and the optical channel in black and white.

#### City

The device displays the fusion view which is applicable to the city environment.

#### Jungle

The device displays the fusion view which is applicable to the jungle environment.

#### Desert

The device displays the fusion view which is applicable to the desert environment.

#### Sea

The device displays the fusion view which is applicable to the sea environment.

#### Snow

The device displays the fusion view which is applicable to the snowy environment.

#### Grassland



The device displays the fusion view which is applicable to the grassland environment.

### 3.2 Set Palettes for Thermal Monocular and Thermal Scope

The palette is the color scheme used to display a thermal image. A palettes which fit the usage scenario helps you observe the live view image.



- Setting palettes is not supported by handheld thermal binoculars.
- When you rotate the screen, the icon of palettes mode with text above will rotate, too.

Tap  and then select a palettes mode.

#### White Hot

The hot part is light-colored in view.

#### Black Hot

The hot part is black-colored in view.

#### Red Hot

The hot part is red-colored in view.

#### Fusion

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



**Fusion** is only supported by handheld thermal monocular.

### 3.3 Capture and Recording

You can record video footage and capture pictures during live view.

#### Steps

1. Connect the device.



See **Connect Detected Device** for details.

2. Record video footage or capture pictures.

**Capture Picture** Tap  to capture a picture.



**Record Video** Tap  to start recording the live video and then tap  to stop.



### Note

- The valid recording duration is from 2 seconds to 2 hours.
- Make sure there is at least 512 MB available storage space on your phone.

### Switch Between Recording and Capturing

Tap  /  to switch to recording/capturing mode.

The recorded video footage and captured pictures can be viewed and managed in the Picture & Video Management page. For details, refer to **Picture and Video Management**.

## 3.4 Enable Device Laser

The Mobile Client allows you to control the laser light of the device. The laser light is usually used for aiming at the target (such as the prey) at night.

### Steps



### Note


The function is only supported by handheld thermal monocular.

1. Connect the device.



### Note

See **Connect Detected Device** for details.

2. Tap  to enter the Device Settings page.
3. Turn on the **Laser** switch.

## 3.5 Enable Laser Ranging


After enabling the laser ranging function, you can measure the distance between you and the object.

### Steps



### Note

The laser ranging function should be supported by the device.

1. On the live view page, tap .
2. Switch on **Laser Ranging**.



Only when the **Laser Ranging** is enabled can you tap to use this function in the live view page.

3. Select a laser ranging mode.



When **Continuous Ranging** is enabled, options of longer duration for laser ranging are available if supported by device: **Continuous (15s)**, **Continuous (30s)** (by default), **Continuous (1min)**, **Continuous (2min)**, and **Continuous (5min)**.




## 3.6 More Functions

During live view, you can also adjust the brightness and contrast of the images, set digital zoom, and calibrate the device.

The following table shows the descriptions of the icons on the Live View page.

**Table 3-1 More Functions**

Icon	Description
	<p>Adjust the brightness of the live video images.</p> <p>For handheld thermal scope and handheld thermal monocular, you can set the brightness level from 1 to 10.</p> <p>For handheld thermal binoculars, you can set the brightness level from 1 to 10. The larger the number, the higher the brightness level.</p> <p> <b>Note</b></p> <p>The brightness level range is subject to the device capability. The selected brightness level will be displayed on the lower-right of the icon.</p>
	<p>Adjust the contrast of the live video images.</p> <p>For handheld thermal scope and handheld thermal monocular, you can set the contrast level from L1 to L10.</p> <p>For handheld thermal binoculars, you can set the contrast from L1 to L10. The larger the number, the higher the contrast level.</p> <p> <b>Note</b></p> <p>The contrast level range is subject to the device capability. The selected contrast level will be displayed on the lower-right of the icon.</p>

Icon	Description
	<p>Set digital zoom. You can set the zoom level to 1X, 2X, 4X, 8X, and 16X.</p> <p> <b>Note</b></p> <ul style="list-style-type: none"><li>• The selected zoom level will be displayed on the icon. If the level is 1X, it will not be displayed on the icon.</li><li>• The maximum zoom level is dependent on device capability.</li></ul>
	<p>Calibrate the device to optimize the live video images.</p>

## Chapter 4 Picture and Video Management

In Picture and Video Management module, you can view and manage the recorded video files and the captured pictures automatically saved to Mobile Client during live view.

After pictures or videos were taken during live view, you can confirm to save the files to system album as well on a pop-up prompt (refer to **Local Settings** on how to enable auto-saving files to system album without pop-up window).

In **Media**, you can view the thumbnails of pictures and videos, which are sorted from latest to earliest. You can also specify only pictures, only videos, or both to view.


### 4.1 View Pictures

You can view the captured pictures.

#### Steps

1. Enter the library.
  - Tap **Media Library** on the Home page.
  - In the lower-left corner of the Live View page, tap the thumbnail of the captured picture or recorded video, tap the larger picture or the video again, and tap **Enter Library → Local**.

You can view all the captured pictures and recorded video footage.

2. **Optional:** Tap  to select **All**, **Pictures Only**, or **Videos Only**.

All pictures and videos, or only pictures/videos will be displayed.

3. Tap a specific picture to view its larger version.






#### Note


Only the portrait mode is supported.

4. **Optional:** Perform the following operations.

#### Share Picture

- Tap a specific picture in its larger version and tap  share the picture to other applications.
- Tap  to select one or more pictures, and tap  to share pictures to other applications.

#### View Picture Detail

Tap a specific picture in its larger version, and tap  to view picture details, including the picture name, capture time, and picture size.

### 4.2 View Videos

You can view the recorded video footage.

## Steps

1. Enter the library.
  - Tap **Media Library** on the Home page.
  - In the lower-left corner of the Live View page, tap the thumbnail of the captured picture or recorded video, tap the larger picture or the video again, and tap **Enter Library → Local**.

You can view all the recorded video footage.







2. **Optional:** Tap  to select **All**, **Pictures Only**, or **Videos Only**.

All pictures and videos, or only pictures/videos will be displayed.

3. Tap a video file and tap  to play the video file.

4. **Optional:** Tap  to pause.

5. **Optional:** Perform the following operations during playing the video file.

<b>Share Video</b>	<ul style="list-style-type: none"><li>• Tap a specific video in its larger version and tap  share the picture to other applications.</li><li>• Tap  to select one or more videos, and tap  to share videos to other applications.</li></ul>
<b>View Video Detail</b>	Tap  to view video details, such as the video name and frame size.
<b>Adjust Speed</b>	When viewing the video in the full-screen mode, tap <b>Speed</b> or long press the screen to adjust the playback tempo of the video to 0.5X, 1X, 2X, or 4X speed.
<b>Turn Sounds Off/On</b>	Tap  /  to turn sounds off or on.

## 4.3 View Pictures and Videos Stored on the Device SD Card

You can view, filter, download, and delete the pictures and videos stored on the device SD card.

### Before You Start

Make sure the device has logged in to the Mobile Client.

## Steps

1. Enter the library.
  - Tap **Media Library** on the Home page.
  - In the lower-left corner of the Live View page, tap the thumbnail of the captured picture or recorded video, tap the larger picture or the video again, and tap **Enter Library**.
2. Tap the device name on the right side of **Local** to view the pictures and videos stored on the device SD card.



### Note

You can customize the device name on the Mobile Client. For details about customizing the device name, refer to **Local Settings**.




Pictures and videos which have been stored on the device SD card will be displayed.

3. Tap , and select **All, Pictures Only** or **Videos Only**.




All pictures and videos, or only pictures/videos will be displayed.

4. **Optional:** Perform the following operations.

**Download  
Pictures or  
Videos**

- Tap a specific picture or video in its larger version and tap . The picture or video will be downloaded from the device SD card to the local. Tap **Local** to view the downloaded file.
- Tap  to select one or more pictures or videos, and tap . The checked pictures and videos will be downloaded from the device SD card to the local. Tap **Local** to view downloaded files.

**Delete  
Pictures or  
Videos**

- Tap a specific picture or video in its larger version and tap . The picture or video stored on the device SD card will be deleted.
- Tap  to select one or more pictures or videos, and tap . The selected pictures or videos stored on the device SD card will be deleted.

## 4.4 Export Pictures/Videos to Photo Album

You can export the captured pictures and the recorded video footage to the photo album of your phone.




### Steps

1. Enter the library.

- Tap **Media Library** on the Home page.
- In the lower-left corner of the Live View page, tap the thumbnail of the captured picture or recorded video, tap the larger picture or the video again, and tap **Enter Library → Local**.

You can view all the captured pictures and recorded video footage.

2. Export the picture(s) and videos.

- Tap a specific picture or video file, and then tap  to export the picture or video file to the photo album of your phone.
- Tap  and select item(s), and then tap  to export the selected item(s) to the photo album of your phone.

## 4.5 Delete Pictures and Videos

You can delete the pictures you captured or the video footage you recorded.




### Steps

1. Enter the library.

- Tap **Media Library** on the Home page.
- In the lower-left corner of the Live View page, tap the thumbnail of the captured picture or recorded video, tap the larger picture or the video again, and tap **Enter Library → Local**.

You can view all the captured pictures and recorded video footage.

### 2. Delete pictures and videos.

- Select a specific picture or video file, tap the larger picture or the video again, and then tap  to delete the picture or video.
- Tap  and select the file(s), and then tap  to delete the selected file(s).





## Chapter 5 General Settings

You can view and edit the device settings, and view other general information such as the version of the Mobile Client and the Open Source License.

### 5.1 Device Settings

You can view the device information, edit the device name, set the device time and date, overlay the timestamp to the live video, and upgrade the device.

Tap  on the live view page and perform the following operations.


Set Time Display Mode	Switch on <b>24-Hour Clock</b> to set the device time to 24-hour format.
Overlay Timestamp	Switch on <b>Timestamp Overlay</b> to overlay the timestamp onto the live video.
Set Date Display Mode	Switch on <b>Display Date</b> to display the date on the top right corner of the screen of your device.
Enable Audio	<p>Switch on <b>Audio</b> to play the audio during the live view.</p> <p> <b>Note</b></p> <p>This function can be enabled only when audio recording is supported by the device.</p>

Tap **Me** on the Home page, and select a device to perform the following operations as needed.

#### **Note**

Before editing the device name, upgrading the device, and synchronizing the device time, make sure the device has been connected to the client.

View Device Information	View the device information including the device model, device serial No., and device name.
Set Device Alias	Tap the Device Alias field and then you can edit the device alias for easy identification.

	 <b>Note</b> <ul style="list-style-type: none"> <li>• After editing the device alias, the device alias will be displayed on the right of <b>Local</b> on the Media Library page.</li> <li>• The custom device name should be within 30 characters. Only letters and digits are supported.</li> </ul>
View Firmware Version	View the firmware version.
View FPGA Version	View the FPGA version.
Upgrade Device	Tap <b>Device Upgrade</b> to detect and download the latest version.
Synchronize Device Time	Tap <b>Time Sync</b> to synchronize the device time with your phone's clock.

## 5.2 Local Settings

You can change language settings, give feedback, clear the cache, etc.

Tap **Me** on the Home page to enter the Settings page.

### Online Service

You can inquire about products displayed on our official website, or give us feedback if you find out any problems with devices.

### Privacy

You can view the Privacy Policy, Personal Information Collection Checklist, and List of Information Shared With Third Party, and can also manage app permissions for the camera, photo album and microphone.

#### Note

- When using the app, if you return to the app after directing to the phone's Settings page for managing permissions, you'll enter the app's Home page because the app will restart once being reopened.
- If the pop-up dialog for applying for the corresponding permission has not been triggered before, and you enter the phone's Settings page from the Privacy page, the corresponding permission will not be displayed on the phone's Settings page.

### Feedback

You can give us feedback if you find out any problems with the Mobile Client or have any suggestions when using it. You can also contact us if you need any information.

### About

You can view information about the Mobile Client, such as the Open-Source Component License, Software License Agreement, and User Manual.

### **General**

#### **Language**

You can select the language of the Mobile Client according to your country/region.

#### **Clear Cache**

You can clear the cache (such as the device upgrade package) on the Mobile Client to free up space on your phone.

#### **Save Image and Video to Phone**

Pictures and videos are automatically saved to the local album on Mobile Client. You can enable this feature and allow the application to access your system album to have the files synchronously saved to the system album as well during live view or while you save files from the device album.



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