

MobIR[®] Air 用户使用手册

MOBIR AIR USER MANUAL

热成像无处不在



Please thoroughly go through user manual before operation and keep it well for future reference. All photos here are for reference only, and specifications are subject to the physical product.

请在使用前阅读此说明书，阅读后请小心收藏，以备日后查阅。
图片仅供参考，产品以实物为准。

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I. Software Functions

1.1 Camera

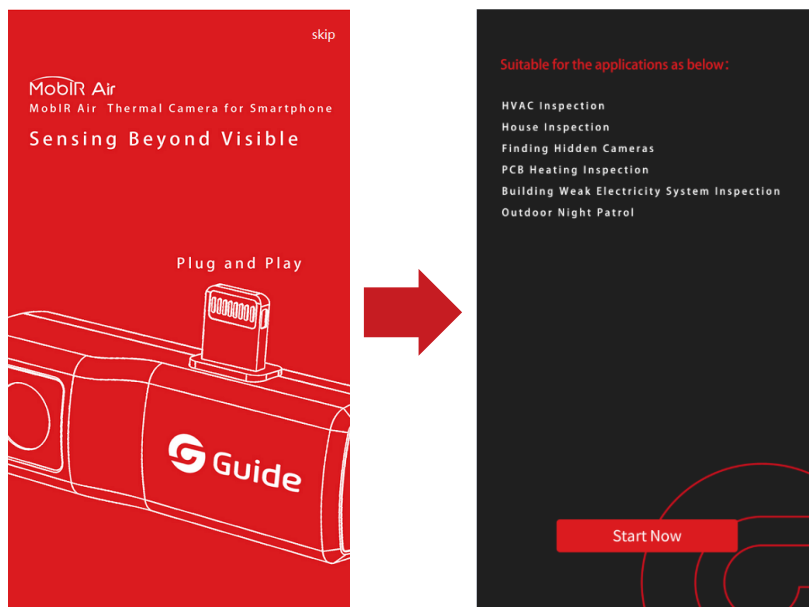
1.1.1 Launch screen

Open the APP and the following boot screen will appear firstly.



1.1.2 Guide page

When initiating the app for the first time, there will be a guide page as shown below. You can directly enter the camera page by clicking Skip on the first page and move to the next page by sliding to the left of the first page. You can also access the camera page by clicking Start Now on the second page.



I. Software Functions

1.1.3 Connection description

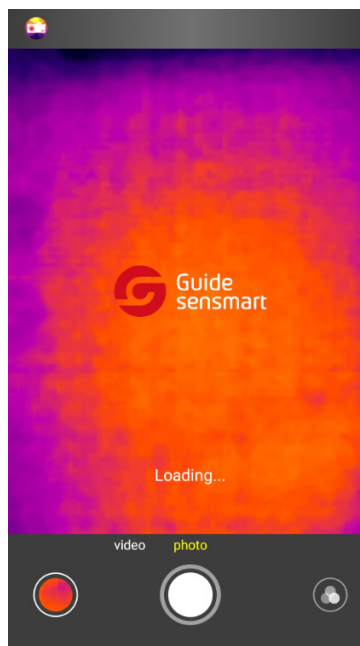
The APP will be automatically started when the user plug the product into a cell phone. If the device is not detected, the following page will appear:

The Photo Album Page and My Page are accessible when no device is detected.



1.1.4 Page loading

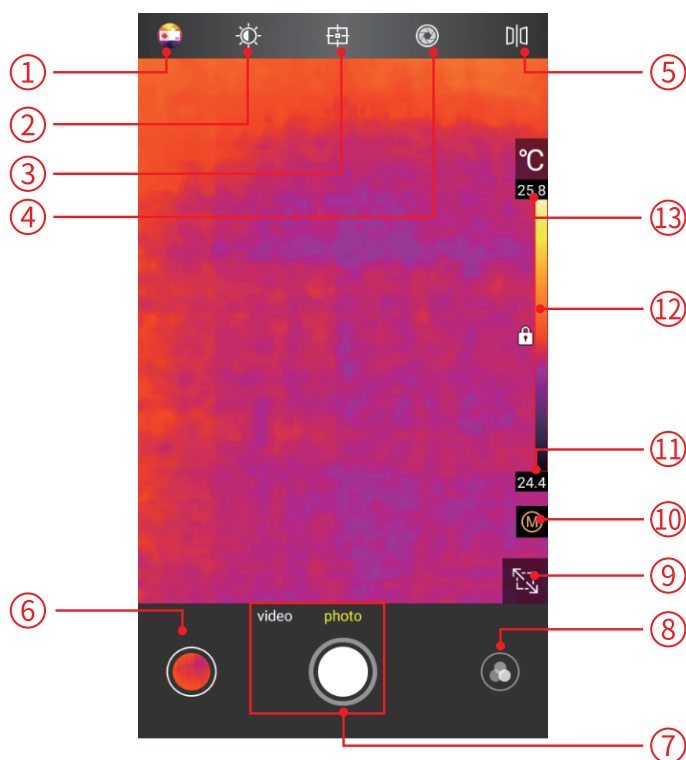
When a device is detected, the infrared photo sent by MobIR Air infrared accessory will be loaded as shown below:



I. Software Functions

1.1.5 Camera icon description

As shown in the picture below, the home page consists of the following 13 parts.



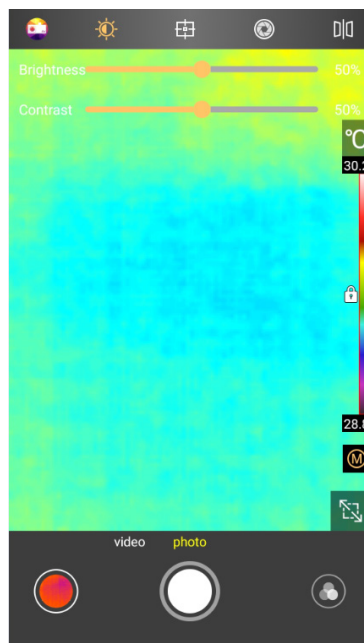
- | | |
|---|--------------------------------|
| 1 | My |
| 2 | Brightness/Contrast |
| 3 | add analysis objects |
| 4 | Shutter compensation |
| 5 | Mirror |
| 6 | Photo |
| 7 | Photo/Recording/Stop Recording |

- | | |
|----|---|
| 8 | Color band |
| 9 | Open PIP |
| 10 | Switch manual or automatic detail enhancement |
| 11 | Minimum temperature |
| 12 | Temperature distribution slider |
| 13 | Maximum temperature |

1.1.6 Brightness/Contrast

Click the icon  on the main interface and the brightness/contrast can be adjusted to a value between 0-100%. The default brightness/contrast is 50%.

I. Software Functions

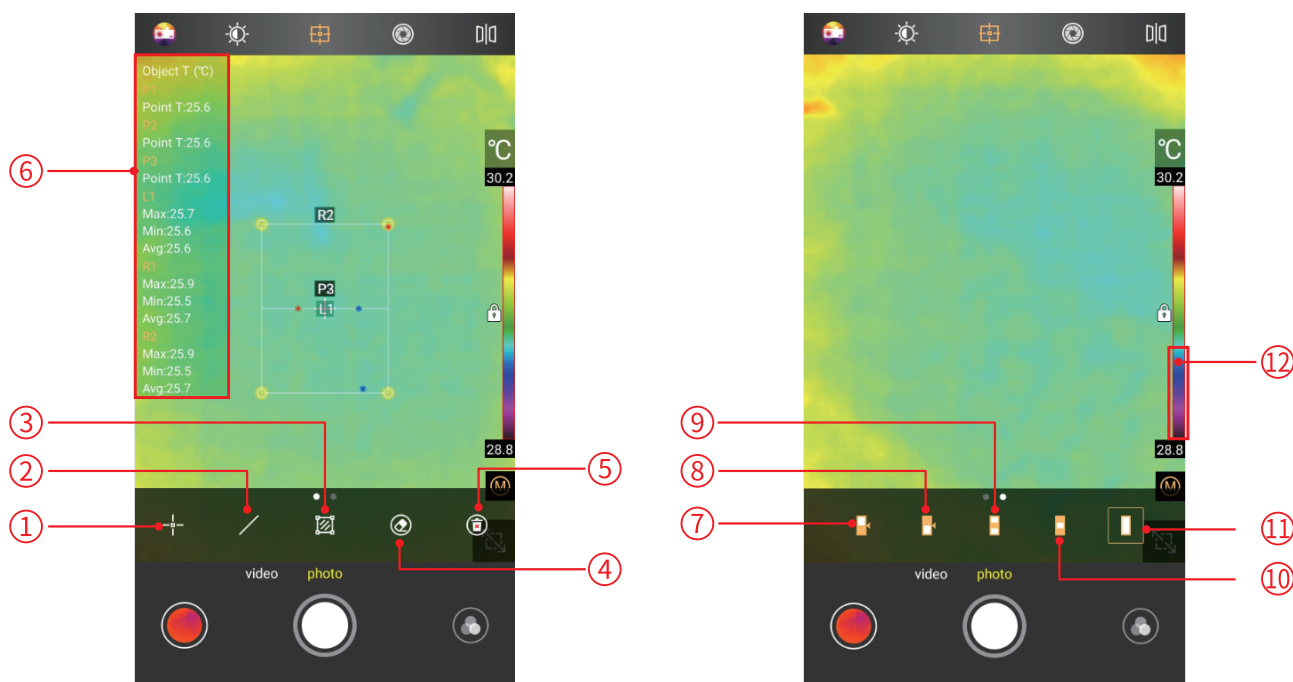


1.1.7 Shutter compensation

Click  for manual shutter compensation.

1.1.8 Add analysis objects

Click  to enter the interface for adding analysis objects as shown below. You can add point/line/plane analysis objects. Analysis objects including three points, one line and two regions are allowed to exist simultaneously.



I. Software Functions

- | | | | |
|---|---|----|-------------------------------|
| 1 | Add dots for temperature measurement | 7 | Upper isotherm |
| 2 | Add lines for temperature measurement | 8 | Lower isotherm |
| 3 | Add areas for temperature measurement | 9 | Middle isotherm |
| 4 | Delete selected analysis object | 10 | Isotherms at both ends |
| 5 | Delete all analysis objects | 11 | Close the isotherm |
| 6 | Temperature measurement information bar | 12 | Temperature adjustment slider |

1.1.9 Dot temperature measurement

Click the icon  to add an analysis object for dot temperature measurement in the current page and a semitransparent information bar will be unfolded at the left side of the interface to display the temperature information of the analysis object added. Click the icon continuously to add analysis objects continuously. A total of three analysis objects at most can be added for temperature measurement.

1.1.10 Line temperature measurement

When dragging the conversion line, the corresponding temperature information of this line in the temperature information bar on the left of the page will be updated synchronously. Up to 1 line of thermometric analysis object can be added.

1.1.11 Area temperature measurement

Click the icon  to add a rectangular area as the analysis object in the current page and a semitransparent information bar will be unfolded at the left side of the interface to display the temperature information of the analysis object added. When dragging the conversion region, the corresponding temperature information of this region in the temperature information bar on the left of the page will be updated synchronously. Up to the thermometric analysis objects of 2 rectangular regions can be added.

1.1.12 Delete a single analysis object

Click the icon  to delete a single thermometric analysis object currently selected.

1.1.13 Delete all analysis objects

Click the icon  to delete all thermometric analysis objects on the page at once.

I. Software Functions

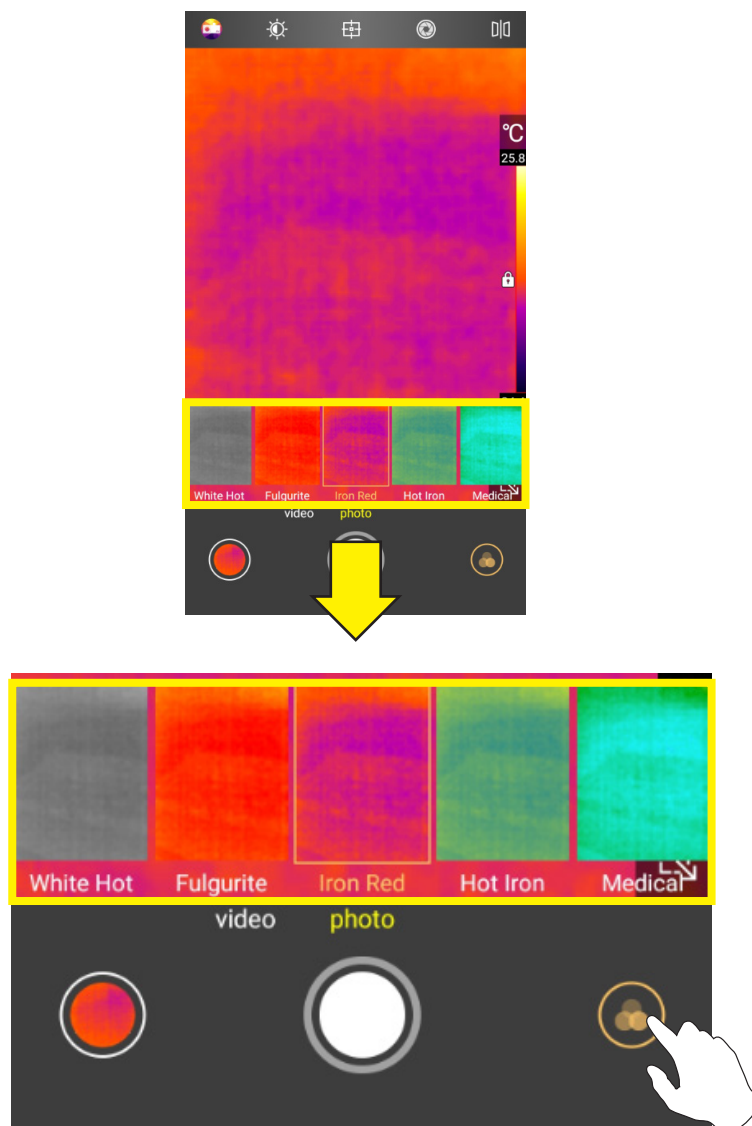
1.1.14 Isotherm

Slide      on the interface leftwards and it will turn into      for isotherm operation. Isotherms include the lower isotherm, the upper isotherm, the middle isotherm and isotherms at both ends.

In the “isotherm” mode, detail enhancement adjustment is only in automatic mode and manual mode is not allowed.

1.1.15 Color band

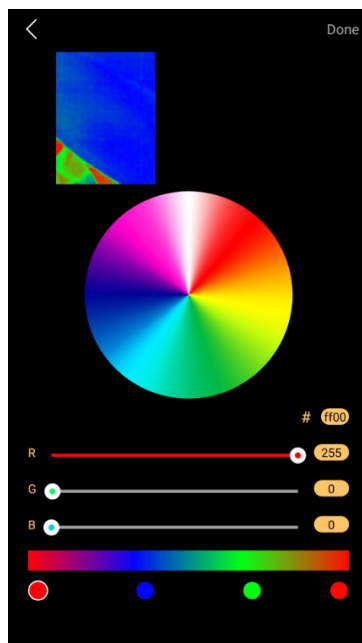
On the main interface, click the icon  to open the color band selection interface, as shown in the picture below. The software provides up to nine different pseudo-color matching and users can switch them according to different scenarios or likes.



I. Software Functions

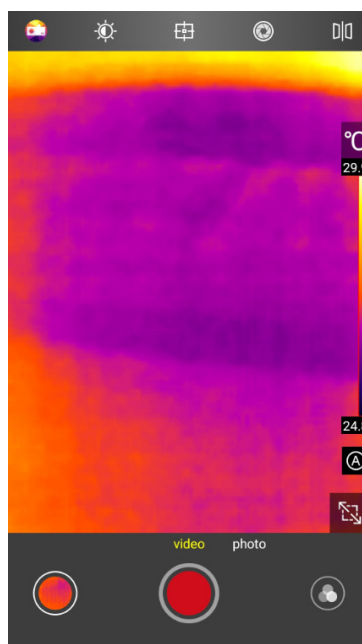
The colors on the color band can be user-defined.

Select the color to be changed on the bottom color tape, drag the slider to change it, and then click the Finish button in the upper right corner to save the effect and render the infrared photo with the customized color tape effect.



1.1.16 Enable switchover of Photo/Recording

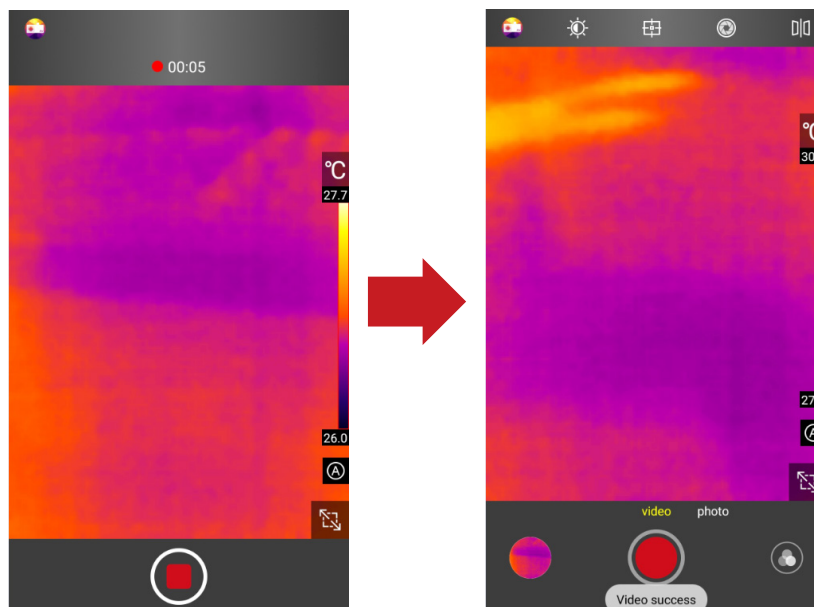
Click the button at the lower right corner to switch from “Photo” to “Recording” and vice versa.



I. Software Functions

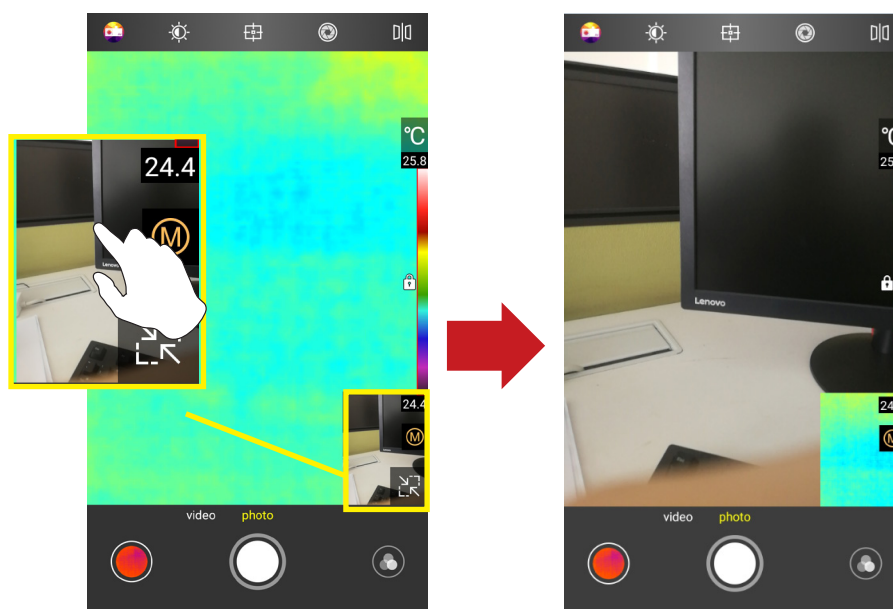
1.1.17 Photo/Recording/Stop recording

Click the "Recording" button to switch to the recording mode. The recording starts and the recording time will be displayed at the top.



1.1.18 Open the picture in picture (PIP) window

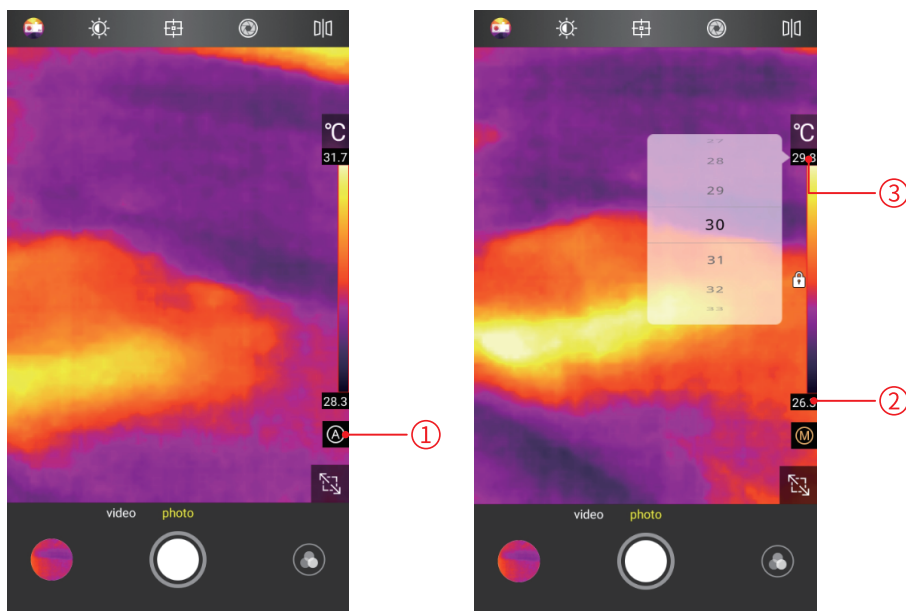
Click the icon  for the APP to open the cell phone camera at the same side of MobIR Air and to display the small PIP window. Click any place in the small window other than the icon , the visible-light display window and the infrared-light display window will be switched. Click the small window again, it will return to the state when you first open the PIP.



I. Software Functions

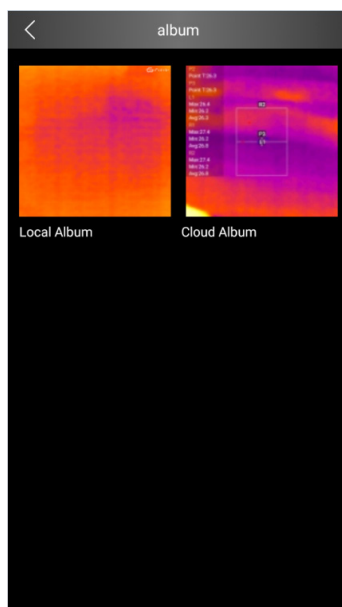
1.1.19 Detail enhancement adjustment

The detail enhancement includes manual and automatic modes. Its icon at the location ① varies according to different modes: **A** in automatic mode and **M** in manual mode. When in the automatic mode, the temperature distribution slider can not be adjusted while the minimum temperature ② and the maximum temperature ③ can be manually adjusted when in the manual mode as long as the temperature change is within the temperature measurement range.



1.2 Photo album

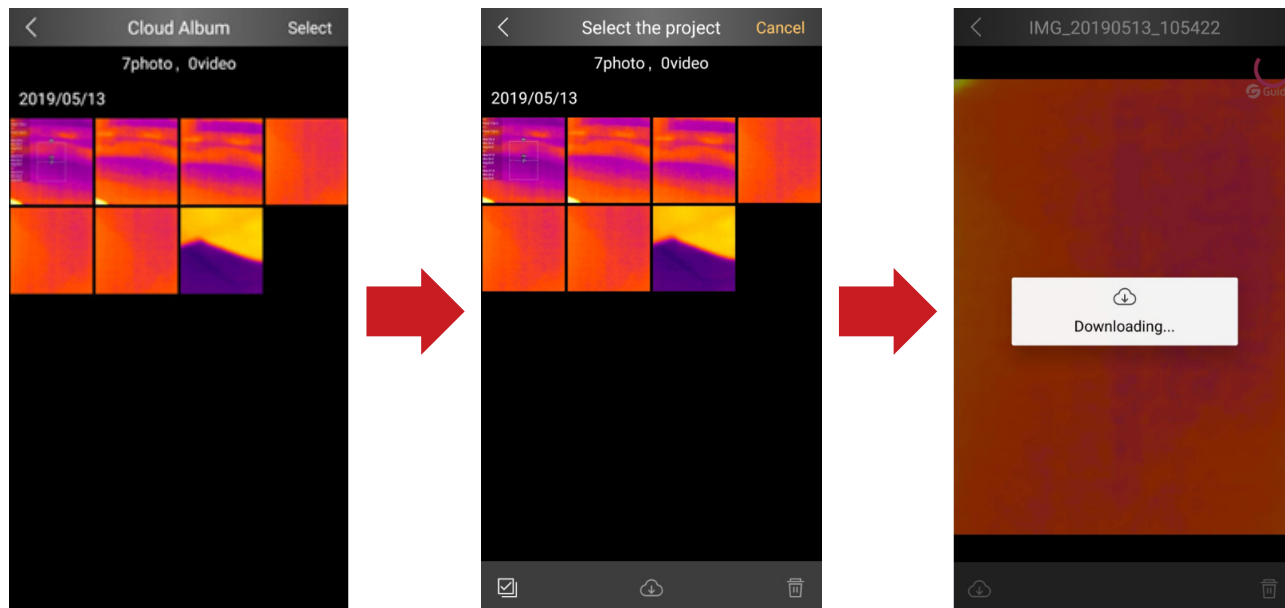
Photo albums are divided into local album and cloud album. After login, the corresponding cloud album is displayed. Before login, you can click the cloud album to enter the login page, and then the cloud album can be viewed after login.



I. Software Functions

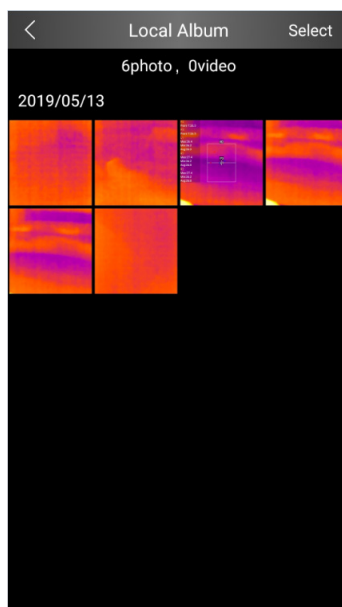
1.2.1 Cloud album

Before login, click the cloud album to enter the login page. If you are not registered, you need to register first. Each user possesses 500M cloud album space after registration. The cloud album function is available after login. Photos in the cloud album can be edited, viewed, and deleted after download. Photos can be downloaded, previewed, and deleted before download.



1.2.2 Local album

Photos can be shared, deleted, edited and viewed for visible light on Photo Viewer interface. Videos can be displayed, shared and deleted on Video Viewer interface.



I. Software Functions

1.2.3 Photo/video details

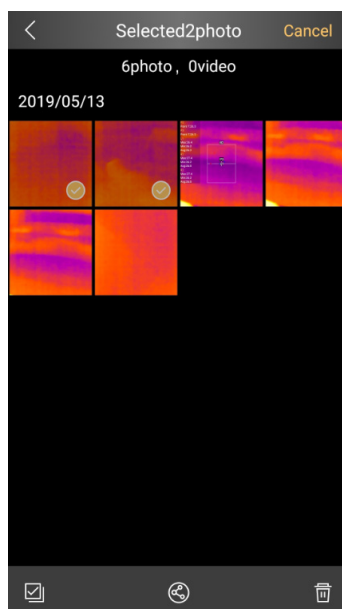
Click  icon on Photo Viewer interface to view the detailed information of photos as shown below.



1.2.4 Select/Cancel

Click “Select” button to enter into corresponding select state. Now click a photo or a video, the file is selected and its corresponding thumbnail will be checked. If “Cancel” button is checked, corresponding checking state will be cancelled.

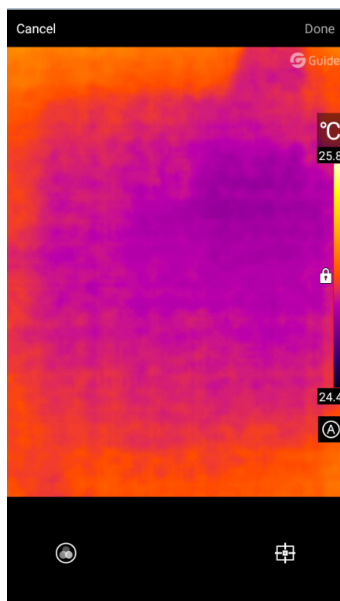
When a photo or a video is in select state, you can select all/share/delete photos or videos in batches and the corresponding icons are “Select All” , “Share”  and “delete” .



I. Software Functions

1.2.5 Edit

Click the icon  to edit the current photo. Editing function is not available for video, and there is no such icon when viewing video.

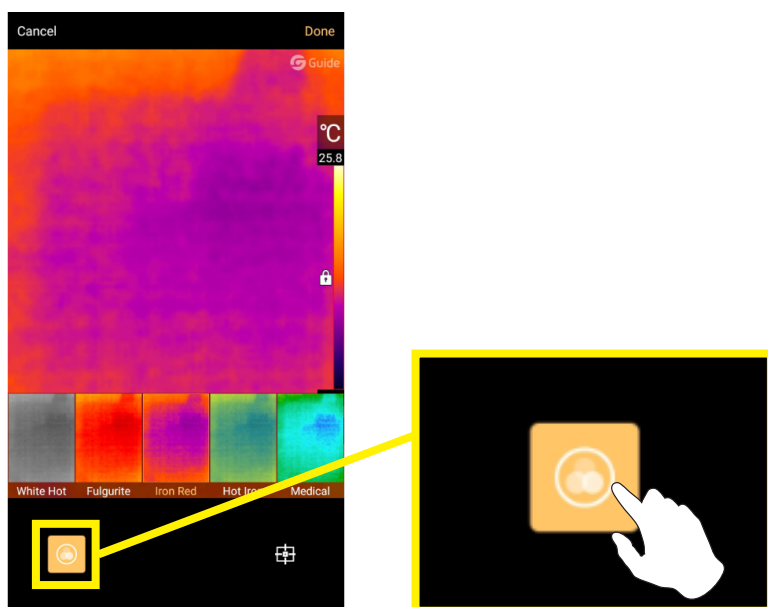


The infrared photo taken by MobIR Air APP can be edited when it is viewed. Specific edit items include:

- ① Replace the color band.

Click the icon  and the following interface will appear:

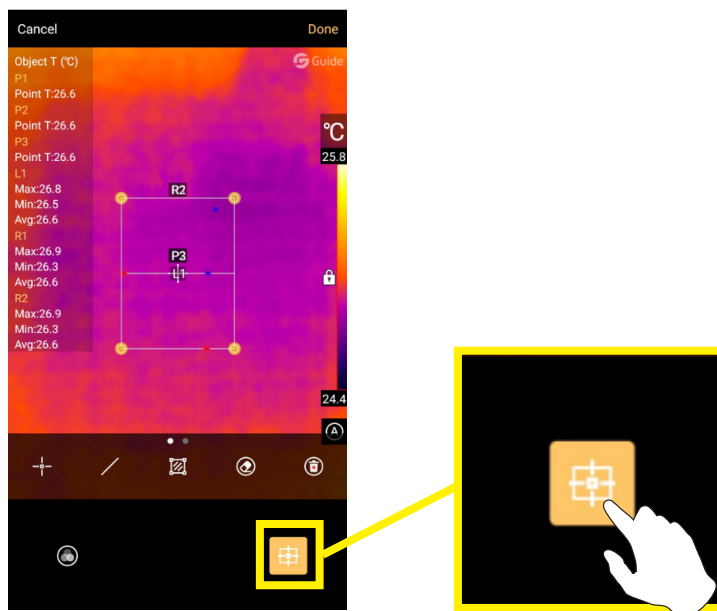
Slide the color band to select one to replace the color band of the current photo. User-defined color bands are allowed.



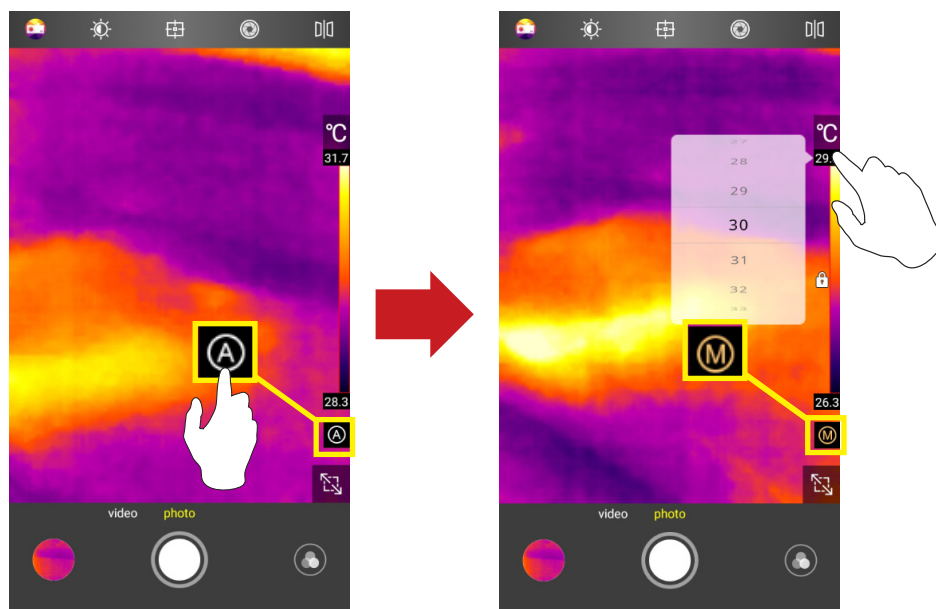
I. Software Functions

② Add/modify or delete analysis objects

Click the icon  to add/modify or delete analysis objects and the following interface appears. The interface is similar to the interface for adding analysis objects and is consistent with it in terms of functions, such as modifying/deleting/adding analysis objects of photos.



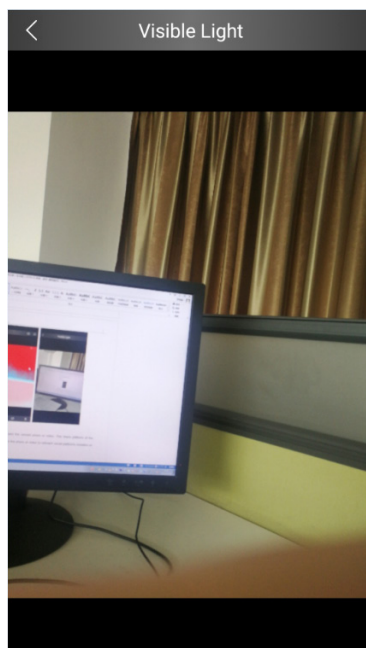
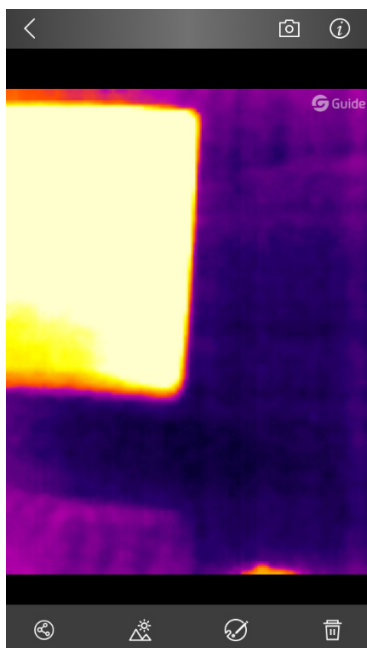
③ Click  to switch the detail enhancement mode to a manual mode and the icon changes into . When in the automatic mode, the temperature distribution slider can not be adjusted while the minimum temperature and the maximum temperature can be manually adjusted when in the manual mode as long as the temperature change is within the temperature measurement range.



I. Software Functions

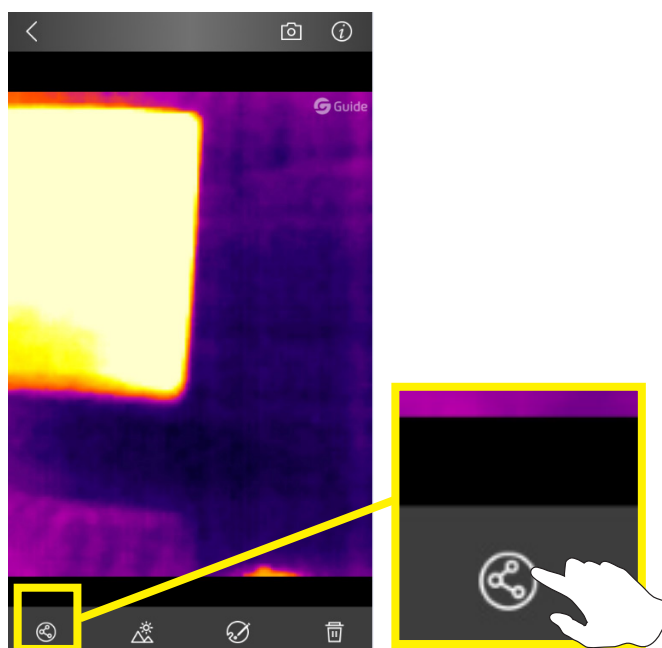
1.2.6 Open the visible-light photo

Click the icon  and the visible-light photo will appear. Click the return icon  to return to the interface of the infrared photo.



1.2.7 Share

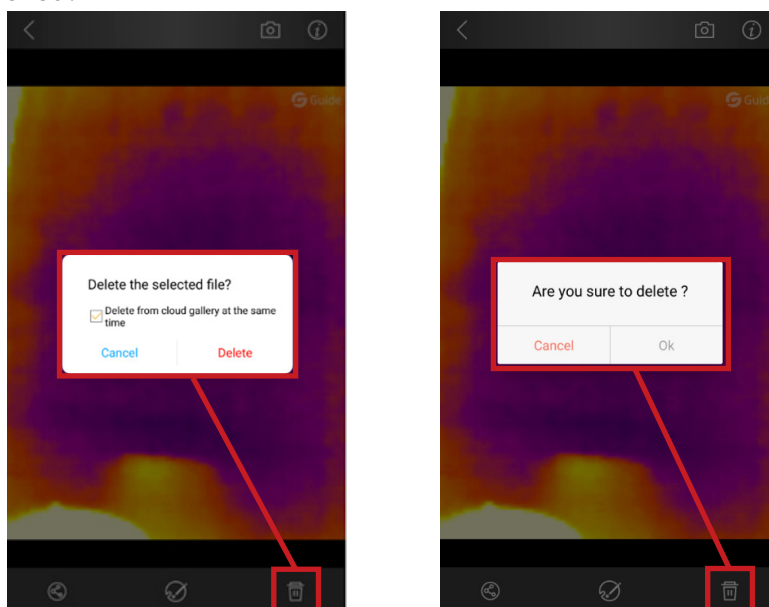
Click the icon  to share the current photo or video. The share platform of the system will be invoked to share the photo or video to relevant social platforms installed on the user's cell phone.



I. Software Functions

1.2.8 Delete photos

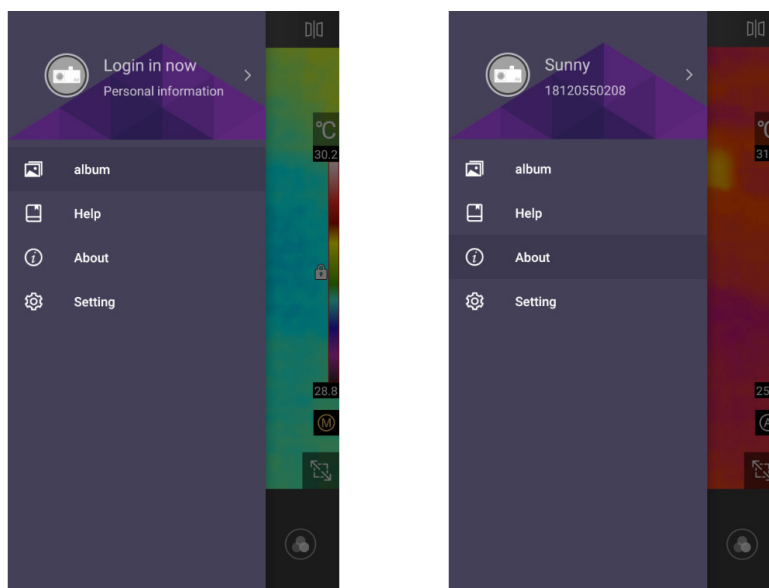
Click the icon  after checking a photo or video, and the photo or video can be deleted in this way. Upon login, when deleting a photo from the local album, you can tick the checkbox to delete the photo in the cloud album synchronously. When you are not logged in, deleting the photo will be double-checked.



1.3 My

1.3.1 My

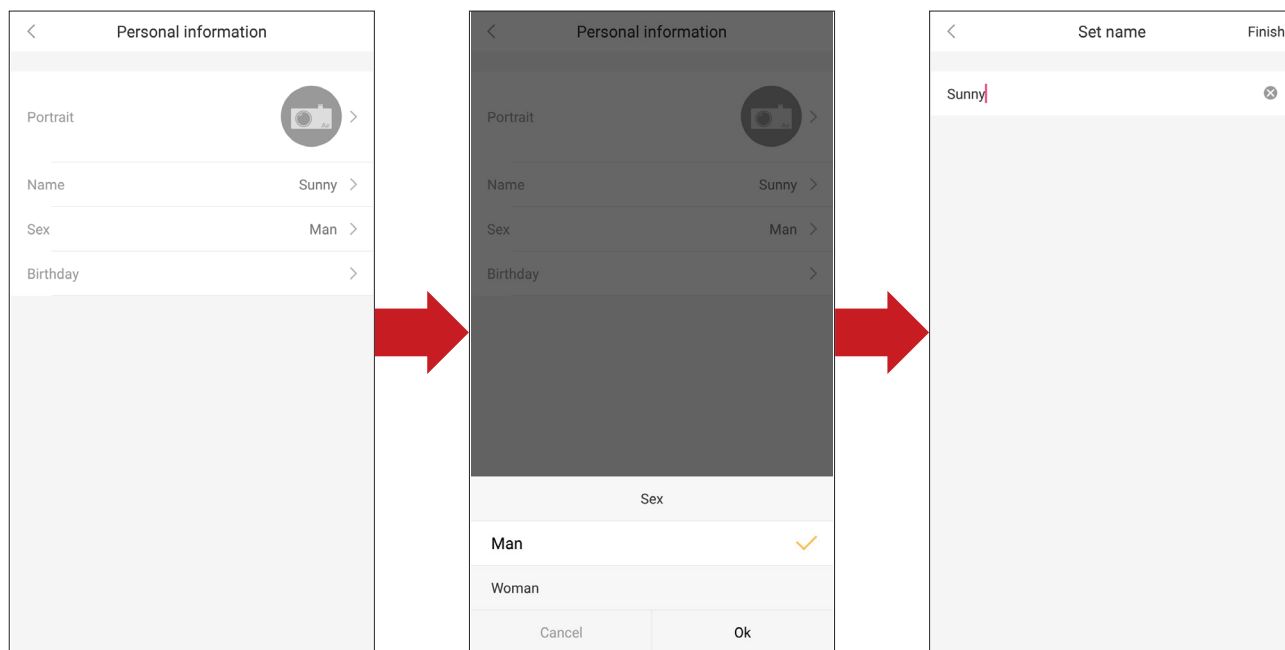
After login, the sidebar displays personal information (avatar + nickname + account number), album, use help, about and settings. Before login, the sidebar displays login now (default avatar+ login entry), album, use help, about and settings.



I. Software Functions

1.3.2 Profile

After login, the profile, including avatar, name, gender, and birthday, can be modified.



1.3.3 Use help

Click Use Help to access the list page and display the catalogue:

The camera module includes splash screen, connection instructions, loading page, camera icon description, setting page, brightness/contrast, shutter compensation, high/low temperature alarm, add analysis object, color tape, photo/video, PIP and detail enhancement adjustment.

The album module includes cloud album, local album, photo/video details, select/cancel, edit, switch on visible light, share photos and delete photos.

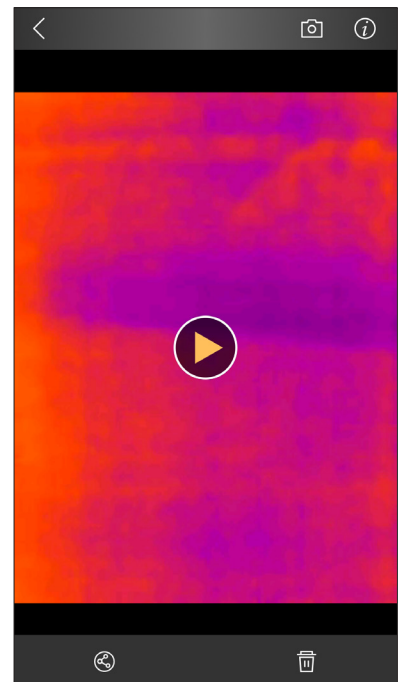
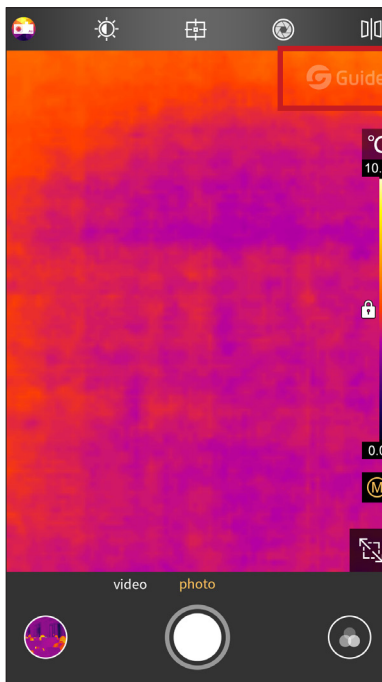
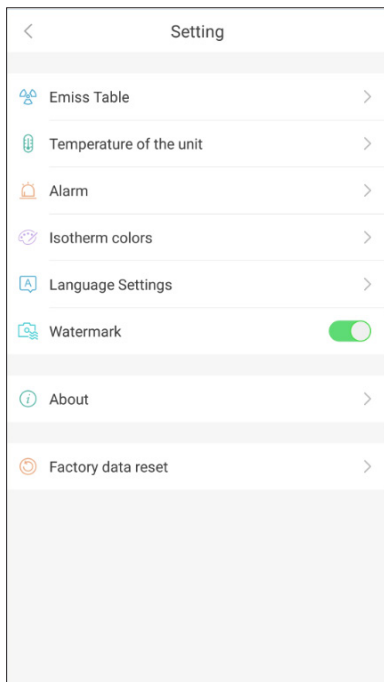
My module includes profile, use help, about, settings, and the settings further includes radiometer, temperature unit, alarm, isotherm color, language settings, and factory reset.

Click on any module in the catalogue to access the corresponding details page.

1.3.4 Settings

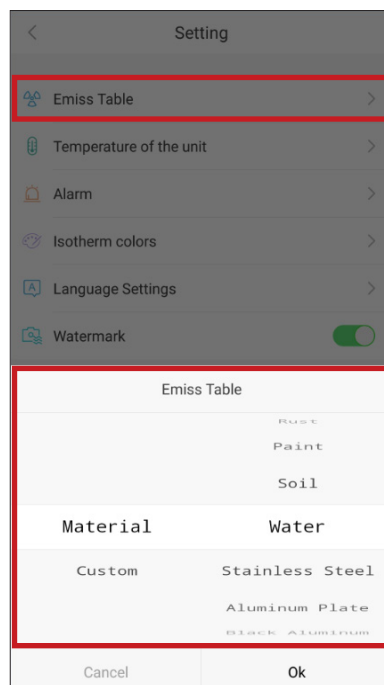
The watermark is enabled by default, and under this condition the infrared photo taken is watermarked, but the visible light photo and the infrared video are not watermarked. If the watermark is disabled, the captured infrared photo is not watermarked.

I. Software Functions



1.3.5 Radiometer

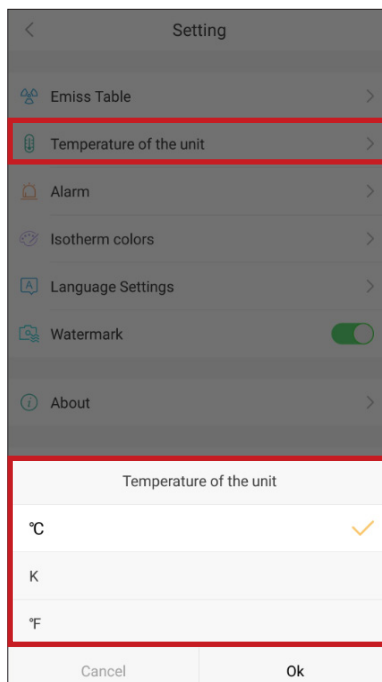
Thermometric parameters of the corresponding type can be adjusted according to different objects measured by the user, thereby improving the thermometric accuracy.



I. Software Functions

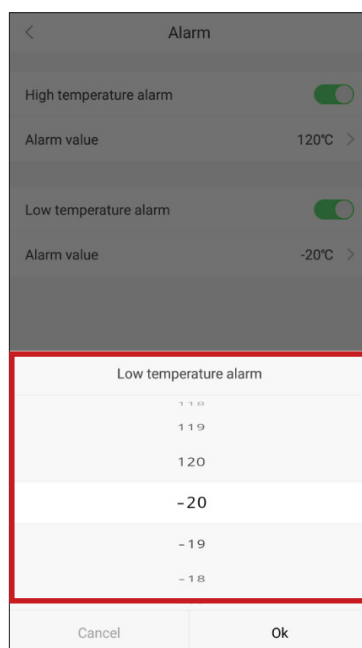
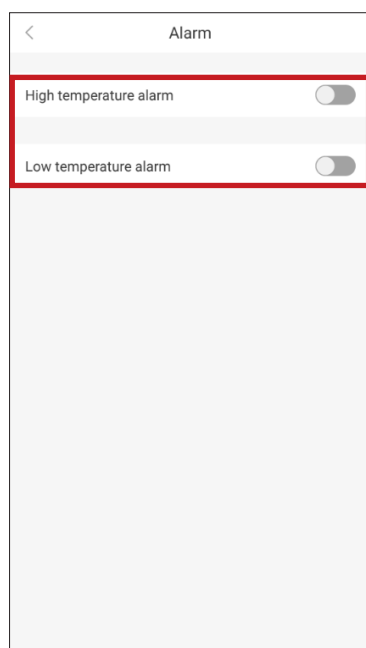
1.3.6 Temperature unit

The temperature unit is Celsius by default and can be converted among three temperature units.



1.3.7 Alarm

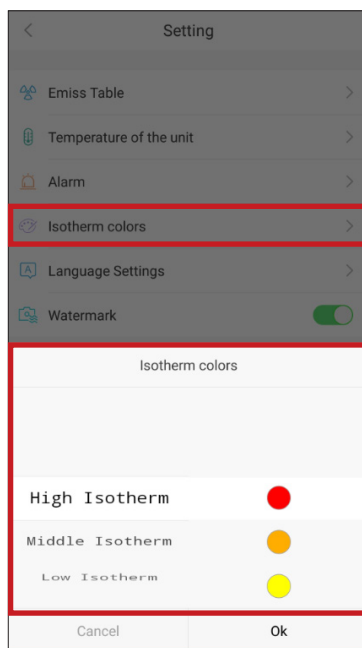
The boundary temperature values of the high/low temperature alarms can be set. After setting, the highest temperature and the lowest temperature will be displayed in the infrared real-time screen.



I. Software Functions

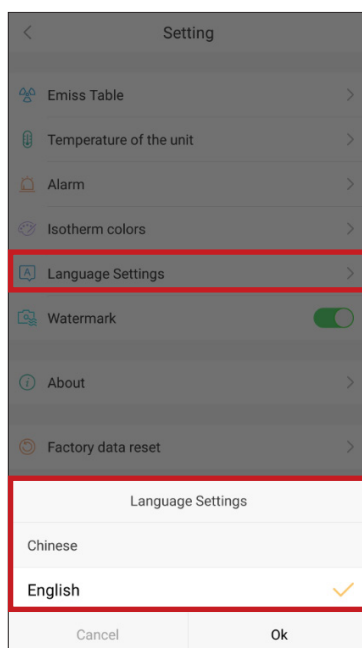
1.3.8 Isotherm color

Isotherm color can be customized.



1.3.9 Language setting

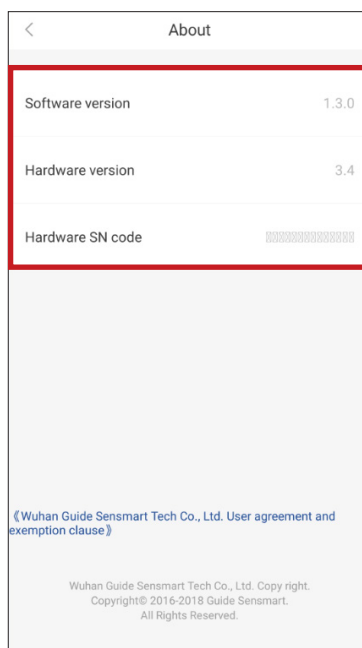
The language can be set according to the user's demands. Currently, only the Simplified Chinese/English are supported, and other languages will be available subsequently.



I. Software Functions

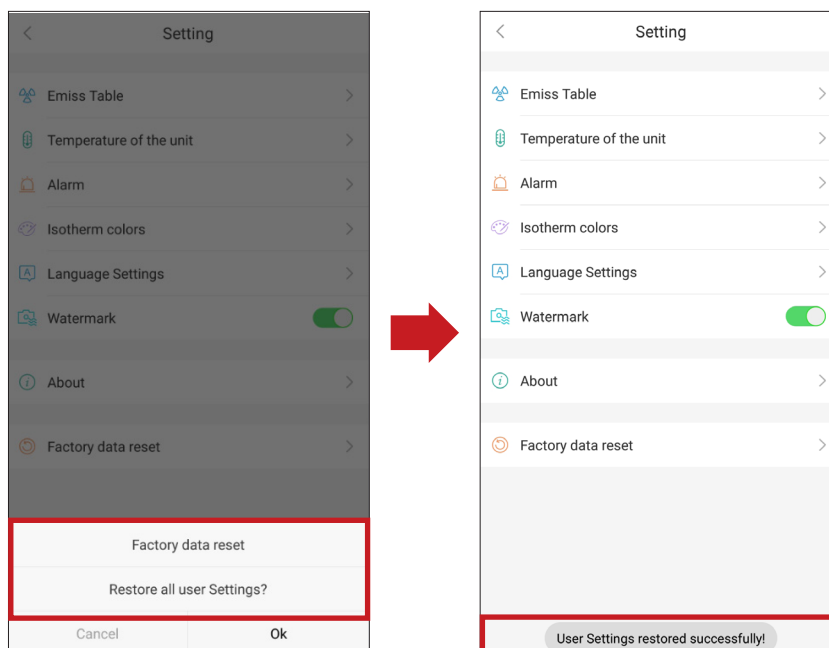
1.3.10 About

The APP version information and the terms of user agreement are provided in About.



1.3.11 Factory reset

You can restore the settings of the APP to factory defaults with one click.



II. Precautions



Precautions

1. Please select the corresponding version according to your mobile phone interface. This product has two versions: USB Type-C version and Lightning version.
2. Solvents and similar liquid are not allowed to contact the device, as this may bring damage to the device.
3. Please keep the device as stable as possible when using it and avoid violent shaking.
4. The normal operating temperature of the device ranges from 0 ° C to 35 ° C, the optimum operating temperature is 16 ° C to 22 ° C, the storage temperature is -10 ° C to 55 ° C, the relative humidity is 5% to 95% under non-condensing state, and the operating height is up to 3,000 meters (10,000 feet).
5. Do not disassemble the product violently to avoid irreversible damage.
6. Please prevent hard objects from touching the device lens to avoid damage.
7. Do not aim the product lens at high-intensity energy sources (including the sun, laser emitting equipment, and reflectors from these devices), as this may adversely affect the thermometric accuracy of the product and damage or permanently damage the product's infrared detector.
8. Put the product into the carrying case when it is idle.

III. Contact information

Company's official website:

Chinese website: <http://www.guideir.cn>

English website: <http://www.guideir.com>

WeChat account: **GuideSensmart**

QR code of official WeChat



Official Weibo: **@高德智感**

QR code of official Weibo



f Facebook: @GuideSensmart

t Twitter: @GuideSensmart

Email: marketing@guide-infrared.com

Tel: 4008 822 866 (Monday to Friday, 8:40-17:30)

Address: No.6 ,Huanglong Hill South Road,East Lake Development Zone,Wuhan, 430205, P. R. China

The manual version will be updated after technical improvement.

说明书版本将会在产品技术改进后更新。

