0236-MC150

INFRARED THERMAL IMAGING CAMERA FOR MOBILE PHONE OPERATION MANUAL



https://m.insize.com/0236.html

EN -- Please scan the QR code or visit the website for operation manual.

IT --- Scansiona il codice QR oppure visita il sito web per il manuale d'uso.

CZ -- Pro návod prosím naskenujte QR kód nebo navštivte webovou stránku.

ES -- Por favor, escanee el código QR o visite la página web para ver el manual de instrucciones.

FR -- Veuillez scanner le QR Code ou visiter notre site web pour accéder aux manuels d'utilisation.

DE -- Bitte scannen Sie den QR-Code oder besuchen Sie die Website für die Bedienungsanleitung.

PT -- Para aceder ao manual de instruções, por favor, faça a leitura do código QR ou visite o nosso site.

Catalogs

Caveat 1

Camera 2

Connection instruction 2

Common measure mode 3

Night vision mode 4

Focus 5

Brightness/Contrast 5

Shutter compensation 6

Adding analysis objects 6

Ribbon 7

Photo/Video switch 8

Photo/Video start/Video end 8

Open PIP 9

Detail enhancement adjustment 9

Album 10

Cloud album 10

Local album 11

Photo/Video details 11

Select/Cancel 12

Picture ribbons replacement 12

Add/Modify/Delete analysis objects 13

Open VIS 13

Share 14

Delete photos 14

Account 14

Account 14

INSIZE

Personal information 15
Emiss table 16
Unit of temperature 16
Temperature measurement alarm 17
Isotherm colors 17
Language settings 18
About 18
Factory data reset 19

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Caveat

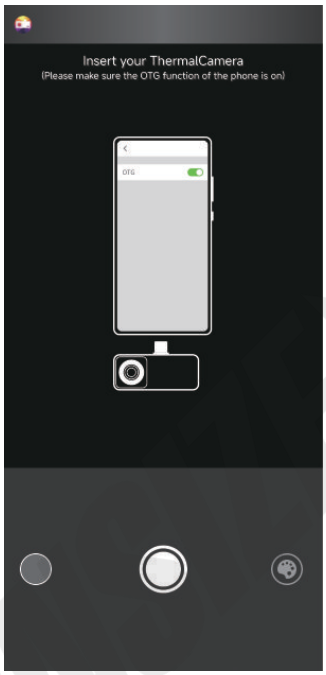
1. Do not use soluble or similar liquid on the equipment, as this may cause damage to the equipment.
2. Please try to keep the equipment as stable as possible when using it and avoid violent shaking.
3. During use, the device may occasionally make a "clicking" sound, which is normal as the device is doing the shutter correction.
4. The normal operating temperature range of the device is 0°C~45°C, the optimal operating temperature range is 16°C~22°C, the storage temperature range is -10°C~60°C, and the relative humidity range is 5%~95% in non-condensing condition.
5. Do not disassemble the product violently as this may cause irreversible damage.
6. Please avoid touching the lens of the device with hard objects, which may cause damage to the lens.
7. Do not point at high-intensity energy sources (including the sun, laser-emitting devices, and reflective sources from such devices), as this may adversely affect the product's temperature measurement accuracy and may damage or permanently damage the product's infrared detector.
8. Please keep the product in the package when not in use.

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Camera

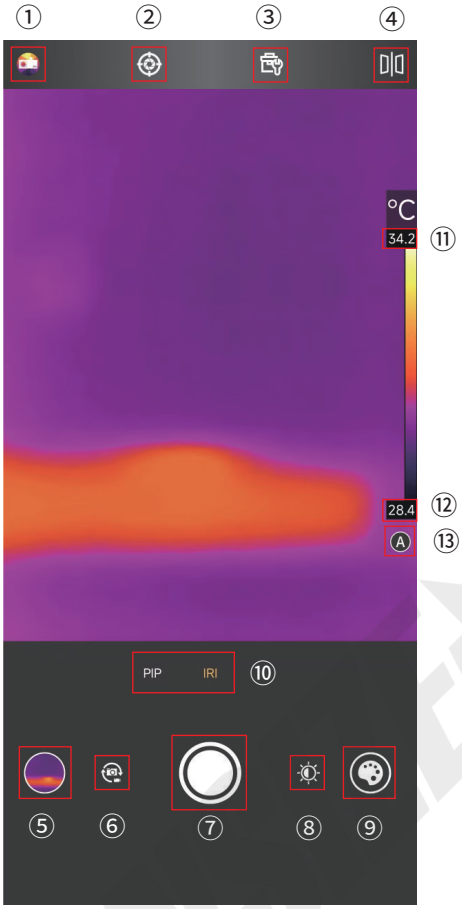
Connection instruction

When the user inserts the product into the mobile phone interface, the APP will be opened automatically. If the device is not detected or the mobile phone OTG is not turned on, there will be the following page. When the device is not detected, you can still enter the "Album" and "Account" page.



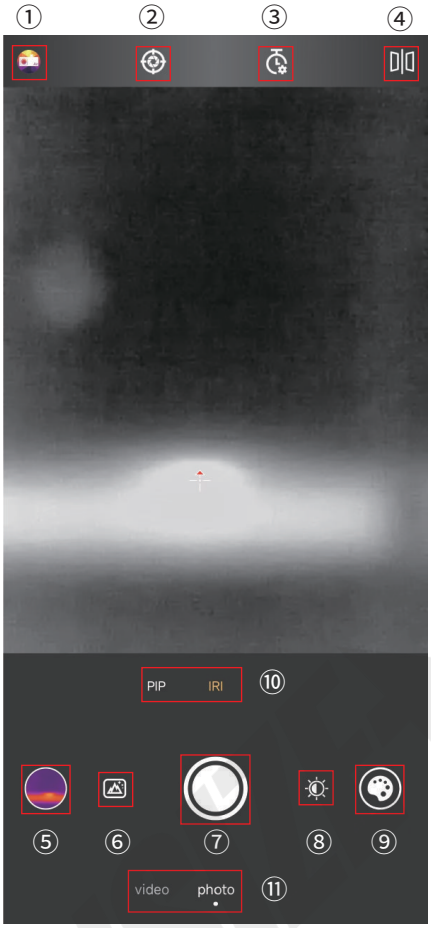
Common measure mode

As shown in the figure below, the main page is divided into the following 13 sections.



① account
② shutter compensation
③ toolkit
④ image mirroring
⑤ index (view latest pictures/videos)
⑥ photo/video switching
⑦ photo/video
⑧ brightness/contrast
⑨ ribbon switching
⑩ shooting mode switching
⑪ upper temperature limit
⑫ lower temperature limit
⑬ auto/manual switching

Night vision mode



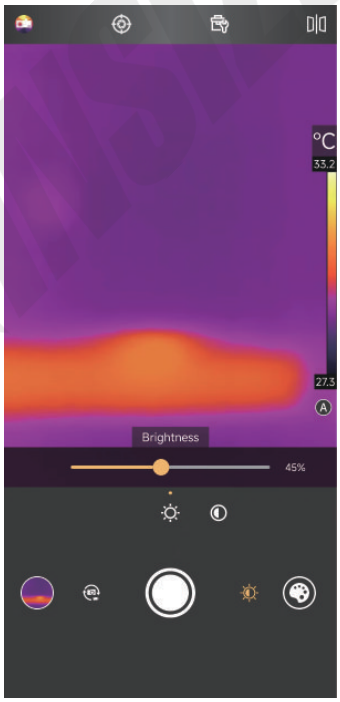
① account
② shutter compensation
③ delay photo
④ image mirroring
⑤ index (view latest pictures/videos)
⑥ image mode switching
⑦ photo/video
⑧ brightness/contrast
⑨ ribbon switching
⑩ shooting mode switching
⑪ photo/video switching

Focus

On the home page, without any analyzed objects or menus, touching the screen triggers autofocus, accompanied by the "di" sound, until the screen is clear.
If the picture is still not clear after auto focusing, you can do manual focusing. Manual focus is divided into two forms:
Mode 1, you can manually focus through the phone volume +/- keys, +for far focus, - for near focus.
Mode 2 is the interactive operation in the screen, the specific way is: In the real-time page, touch the screen. Before the focus symbol disappears, touch and slide
up and down the screen, then the manual focus function will be triggered. At the same time, the left side of the focus symbol will appear in the vertical scale bar. The upper part
is the far-focus direction, and the lower part is the near-focus direction.
The user do not need to swipe on the scale bar to perform manual focus operation. Swiping up and down on screen without buttons or controls also takes effect.

Brightness/Contrast

Click the icon in the main interface to adjust the brightness and contrast from 0~100%.

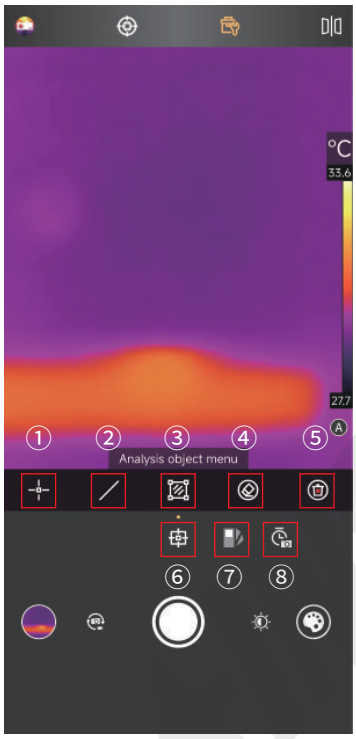


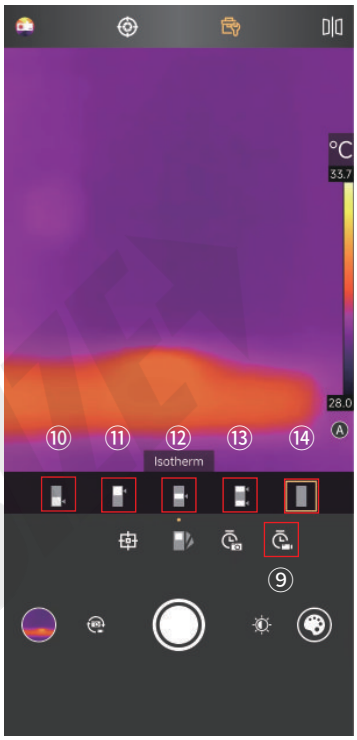
Shutter compensation

Click  will perform manual shutter compensation.

Adding analysis objects

Click  to enter the interface of adding analyzing objects. As shown in the following figure, you can add point/line/area analysis objects. At the same time, there can be three points, one line and two areas analysis objects.



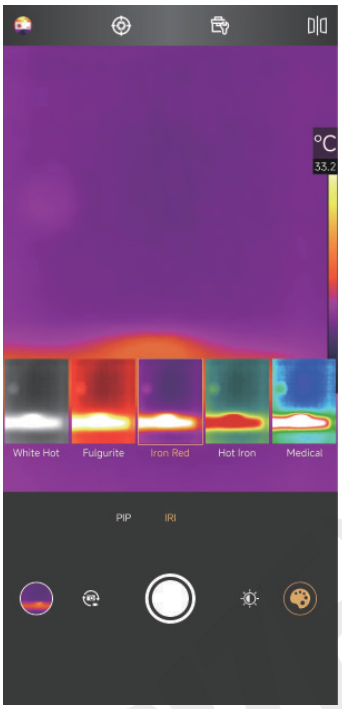


① add point
② add line
③ add area
④ delete selected analysis objects
⑤ clear all analysis objects
⑥ add analysis objects
⑦ isotherm
⑧ delay photo
⑨ delay video
⑩ lower isotherm
⑪ upper isotherm
⑫ middle isotherm
⑬ isotherm at both ends
⑭ close the isotherm

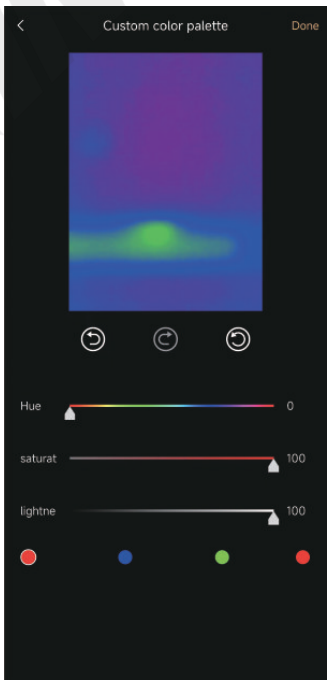
Up to 3 points, 1 line and 2 areas can be added to the analyzed object at the same time.
In isothermal mode, the detail enhancement adjustment is only available in automatic mode and cannot be accessed in manual mode.

Ribbon

In the main page, click the icon  to open the ribbon selection interface, as shown in the following figure. This software provides up to 9 different matching ribbons for users to different scenes or preferences.

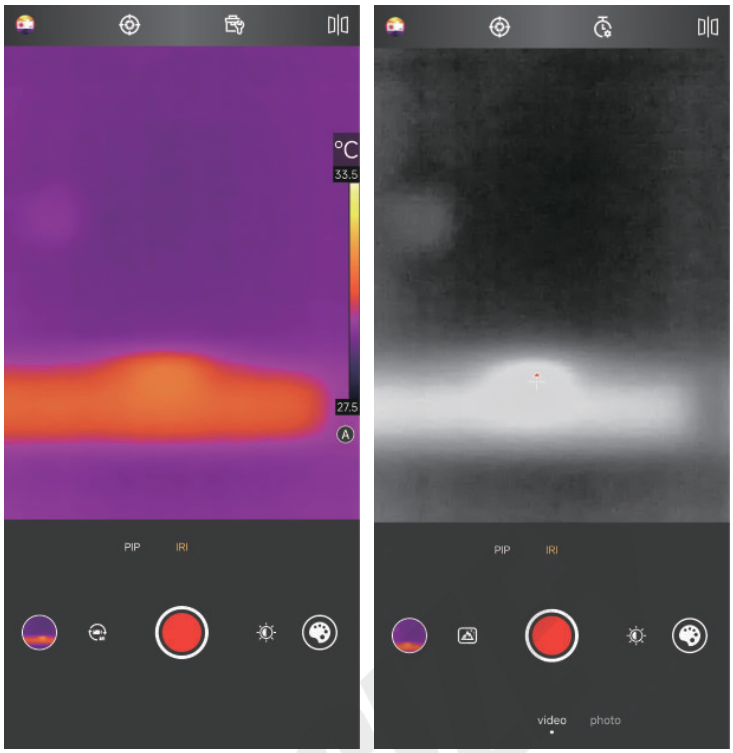


The color of the ribbon can be customized.
Select the color you want to change on the bottom ribbon, drag the slide bar to change it, and click the "Finish" button on the upper right corner to save changes. Then the IR image present will be the customized ribbon.



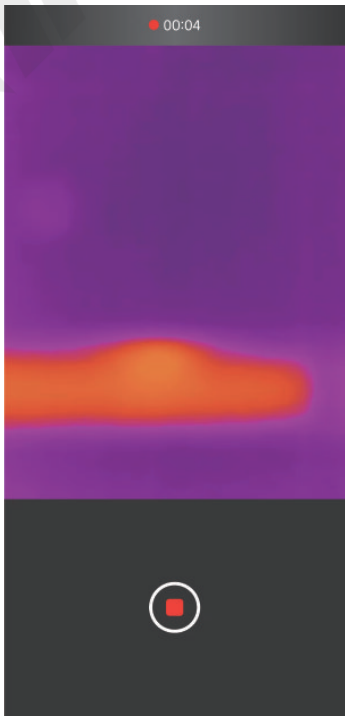
Photo/Video function switching

In common measure mode, tap the button to switch between photo and video recording.
In night vision mode, tap/slide the photo/video text at the bottom to switch photo/video.



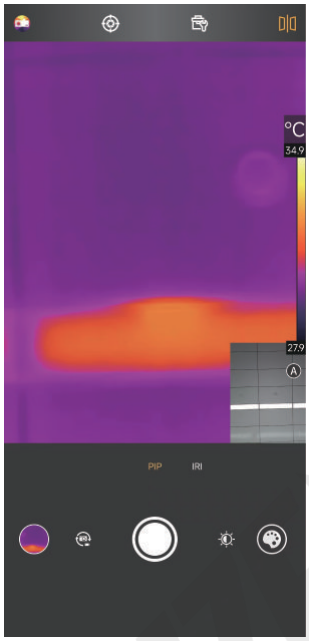
Photo/video start/video end

When you click the Record button to switch to video mode, the recording starts and the recorded duration is displayed at the top.

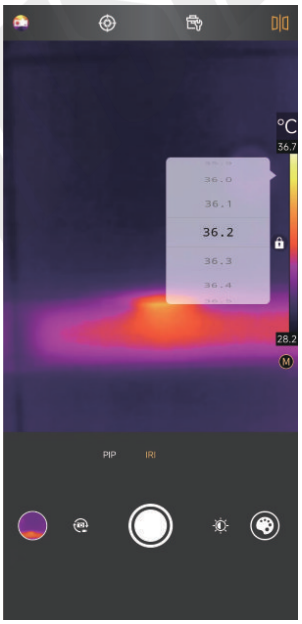


Open PIP

Slide/tap the shooting mode to PIP, APP will open the mobile phone camera on the same side as the device and display in the small window of the PIP. When tapping anywhere in the small window, the display frame of the visible light and infrared light are switched. Tapping the small window again, it will return to the state when you just open the PIP at the beginning.



Detail enhancement adjustment



Detail enhancement is divided into two modes: manual and automatic. The icon below the ribbon bar is different in different modes, the automatic mode is displayed as Ⓐ and the manual mode is displayed as Ⓜ . When in automatic mode, the temperature slider bar can't be adjusted. When in manual mode, the lower temperature limit and upper temperature limit can be adjusted manually within the temperature range.

Album

Albums are divided into local album and cloud album. When the user is logged in, the cloud album is displayed. When not logged in, clicking on a cloud album takes you to the login page. You can view the cloud album after logging in.



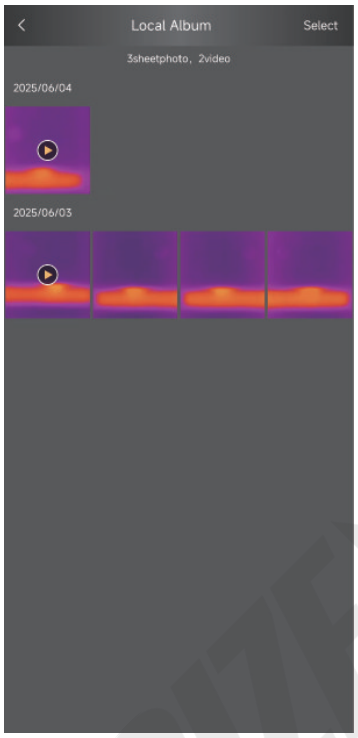
Cloud album

If you are not logged in, click cloud album to enter the login page. If you are not registered, you need to register and then log in. After logging in, you can use the cloud album function. Photos in cloud album support editing, viewing and deleting after downloading.
Before downloading, it supports downloading, previewing and deleting.



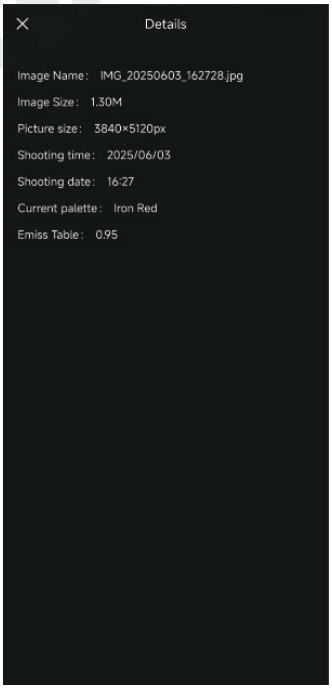
Local album

In the image viewer interface, you can view, share, delete and edit images. In the video viewer interface, you can play/share and delete videos.



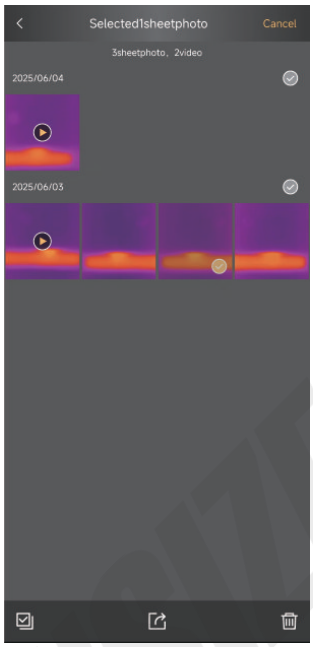
Photo/Video details

Picture viewing interface, click the icon , you can view the details of the picture, the details are shown in the following figure.



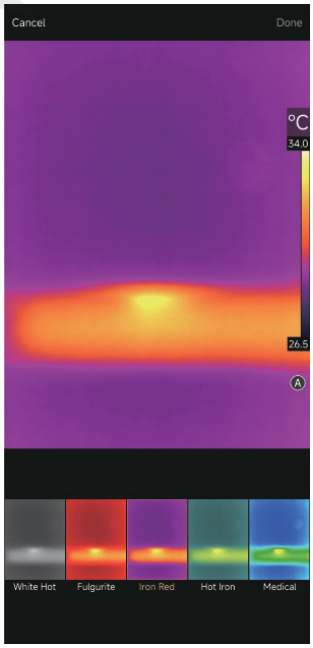
Select/Cancel

Click the Select button, you will enter the selection state. At this time, click the picture or video, the file will be selected. The thumbnail will be selected. Click the Cancel button to cancel the selected status. When a picture or video is in the selection state, you can perform select all/ share/delete function on this picture or video. The icons are select all , share , delete .



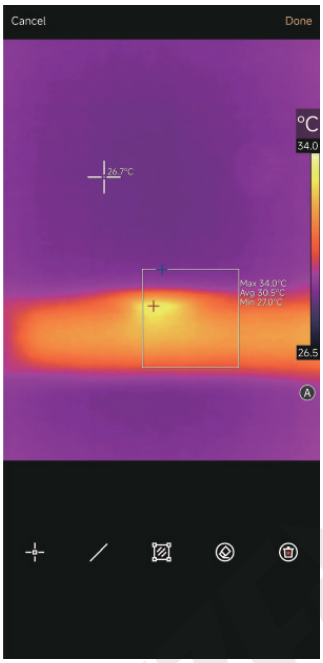
Picture ribbons replacement

Click the icon to bring up the following screen:
Can be selected by sliding to achieve the function of replacing the ribbon of the current picture, and support for custom ribbon operation.



Add/Modify/Delete analysis objects

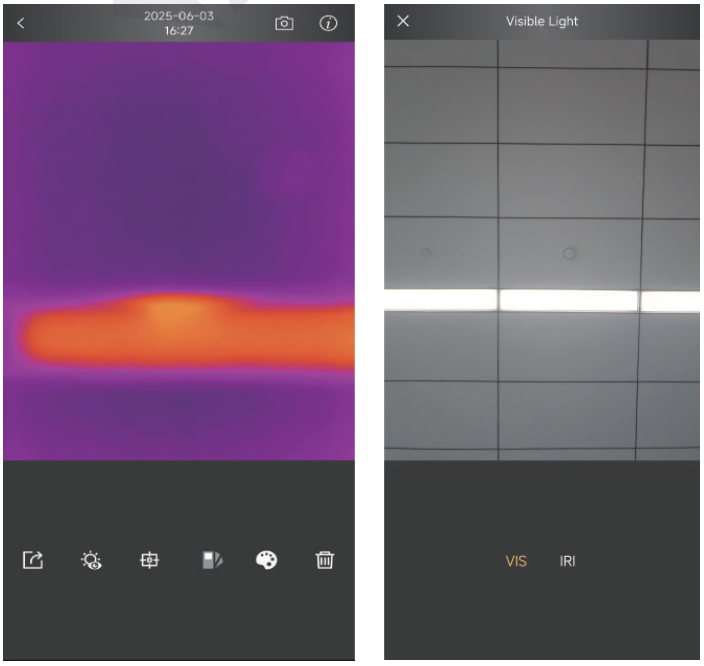
Click icon , the following interface appears. The interface is similar to adding analysis objects. The function is the same, you can modify/delete/add analysis objects to the picture.



Click Ⓐ to switch from detail enhancement mode to manual mode, the icon changes to Ⓜ. When in auto mode, the temperature slider bar cannot be adjusted. When in manual mode, adjustments can be made to the lower temperature limit and the upper temperature limit within the temperature range.

Open VIS

Click on the icon to bring up the visible light picture. Click on the return icon to return to the infrared ptcture.



Share

Click the icon , you can perform a sharing operation on the current picture or video, which will call the the system sharing platform. So that it can be shared to the social media platforms that has already been installed on the user's phone.

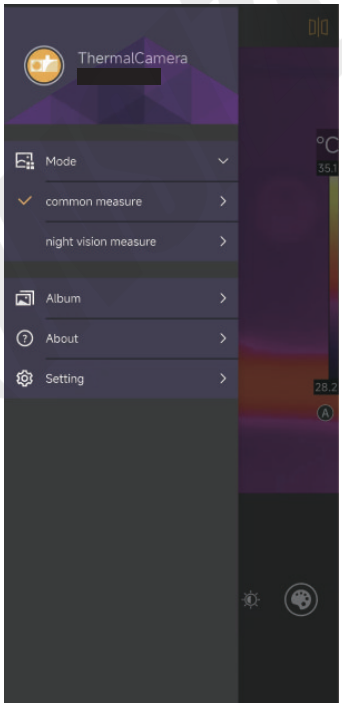
Delete photo

After choosing the picture, click icon to delete the current picture or video.
When you are logged in, you can delete that photo from the cloud aibum at the same time when you delete a photo from local album. When you are not logged in, the deletion of photos will be confirmed twice.

Account

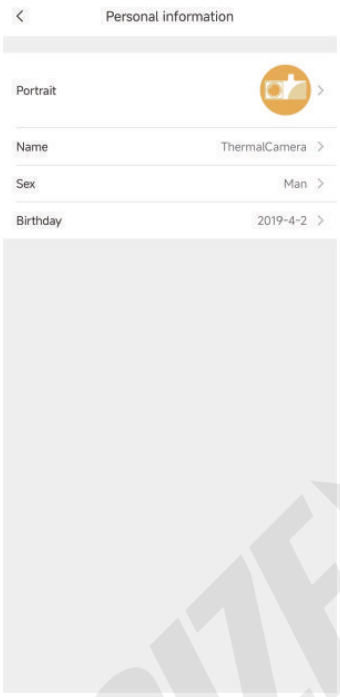
Account

When the user is logged in, the sidebar shows personal information, albums, about, settings.
When the user is not logged in, the sidebar displays login now, albums, about, settings.



Personal Information

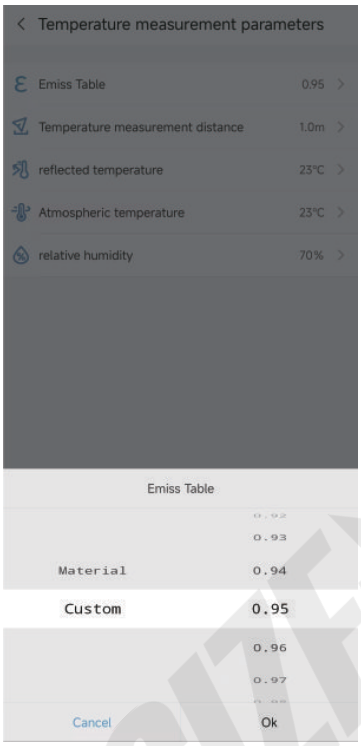
After logging in, users can modify their personal information, including modifying their avatar, name, gender and birthday.



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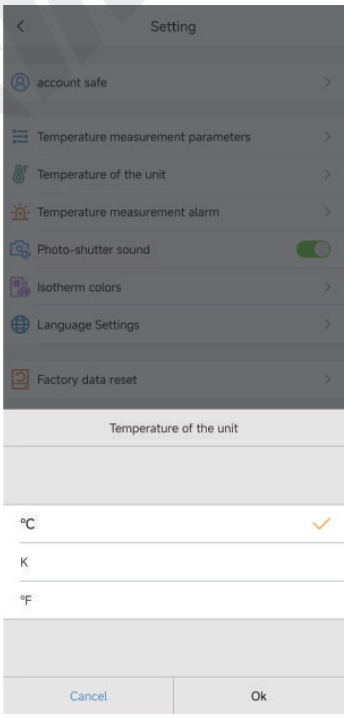
Emiss table

According to different measured objects, the temperature measurement parameters can be adjusted to improve the accuracy of temperature measurement.

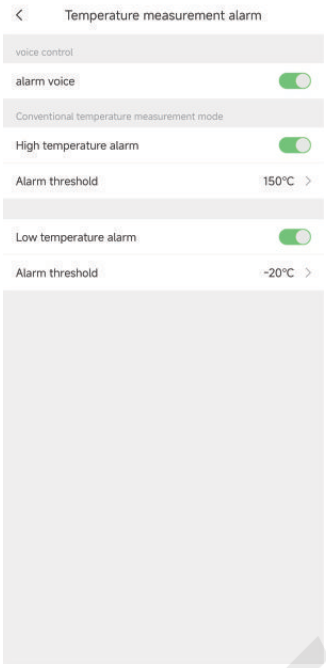


Unit of temperature

Defaults to Celsius and supports conversion between the three temperature units.



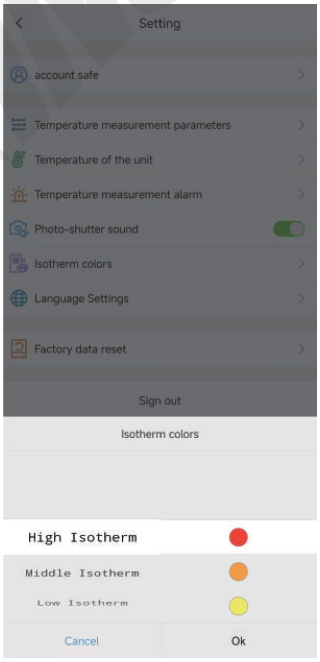
Temperature measurement alarm



Temperature alarm, there are three major parts. First is the alarm sound switch, mainly control the alarm sound. If lit is off, the sound will not appear when the alarm. The high temperature alarm and low temperature alarm correspond to the corresponding functions in common measure mode.

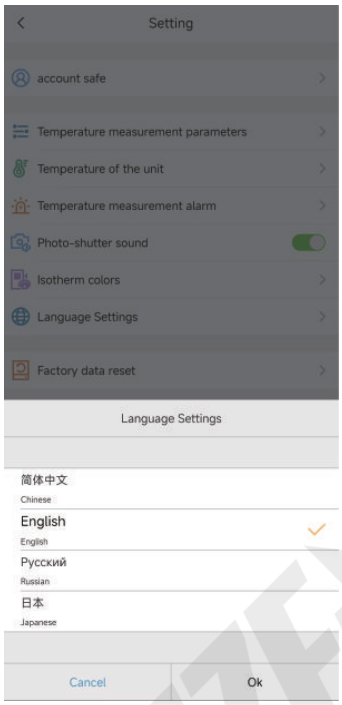
Isotherm colors

Customizable isotherm colors.



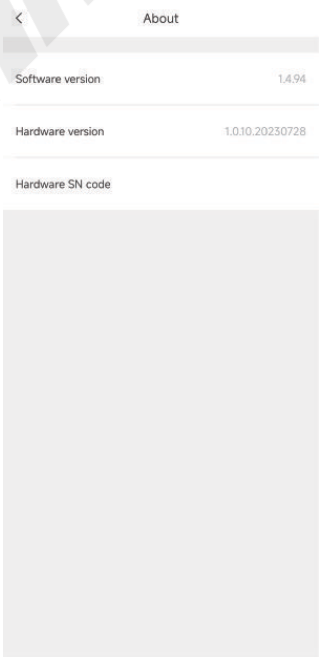
Language settings

The language can be set according to the user’s needs.



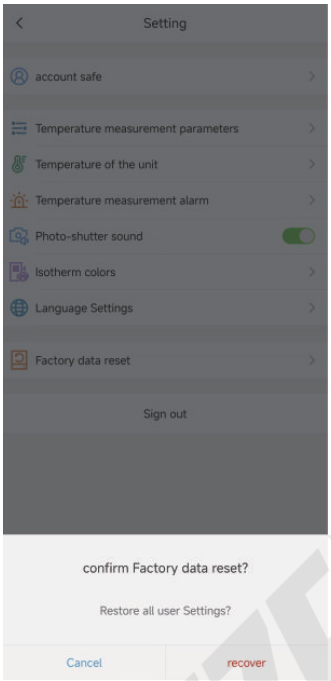
About

Record the version information of the app and the terms of the user agreement.



Factory data reset

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



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www.insize.com

MN-0236-MC150-E

V0