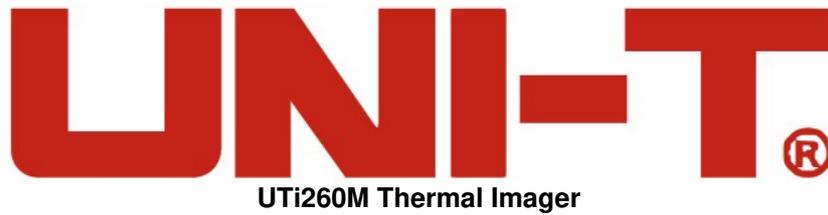




## UNI-T UTi260M Thermal Imager User Manual

[Home](#) » [UNI-T](#) » UNI-T UTi260M Thermal Imager User Manual 



User Manual



## Contents

- 1 Preface
- 2 Limited Warranty and Liability
- 3 Specifications
- 4 Connection
- 5 Indicators/Icons
- 6 Photos
- 7 5. Main Interface Operations
- 8 Settings
- 9 Cautions
- 10 Documents / Resources

## Preface

Thank you for purchasing this brand new UTi260M thermal imager. In order to use this product safely and correctly, please read this manual thoroughly, especially the safety notes.

After reading this manual, it is recommended to keep the manual at an easily accessible place, preferably close to the device, for future reference.

## Limited Warranty and Liability

Uni-Trend guarantees that the product is free from any defect in material and workmanship within one year from the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination or improper handling. The dealer shall not be entitled to give any other warranty on behalf of Uni-Trend. If you need warranty service within the warranty period, please contact your seller directly. Uni-Trend will not be responsible for any special, indirect, incidental or subsequent damage or loss caused by using this device.

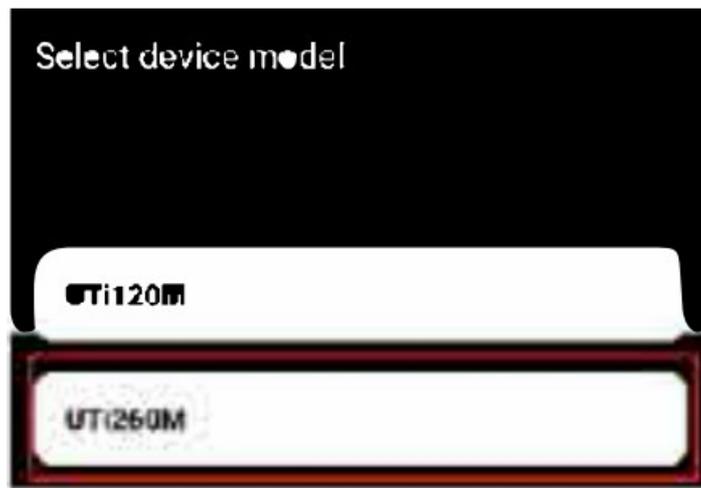
## Specifications

Sensor	Uncooled vanadium oxide
Range switching	Low temperature (-20°C-150°C), high temperature (0°C-550°C) (auto switching)
Modes	Industrial, human body
Emissivity	0.95 (default) 0.01-1.00
IR resolution	256*192 (49152)
Pixel size	12um
Infrared spectral bandwidth	8-14um
Palettes	Iron Red, Rainbow, Gray Scale, Red Hot, Black White, Lava, High-Contrast Rainbow
Field of view (FOV)	56.0° (H) X 42.2° (V)
I FOV	3.8mrad
Lens focal length	3.2mm

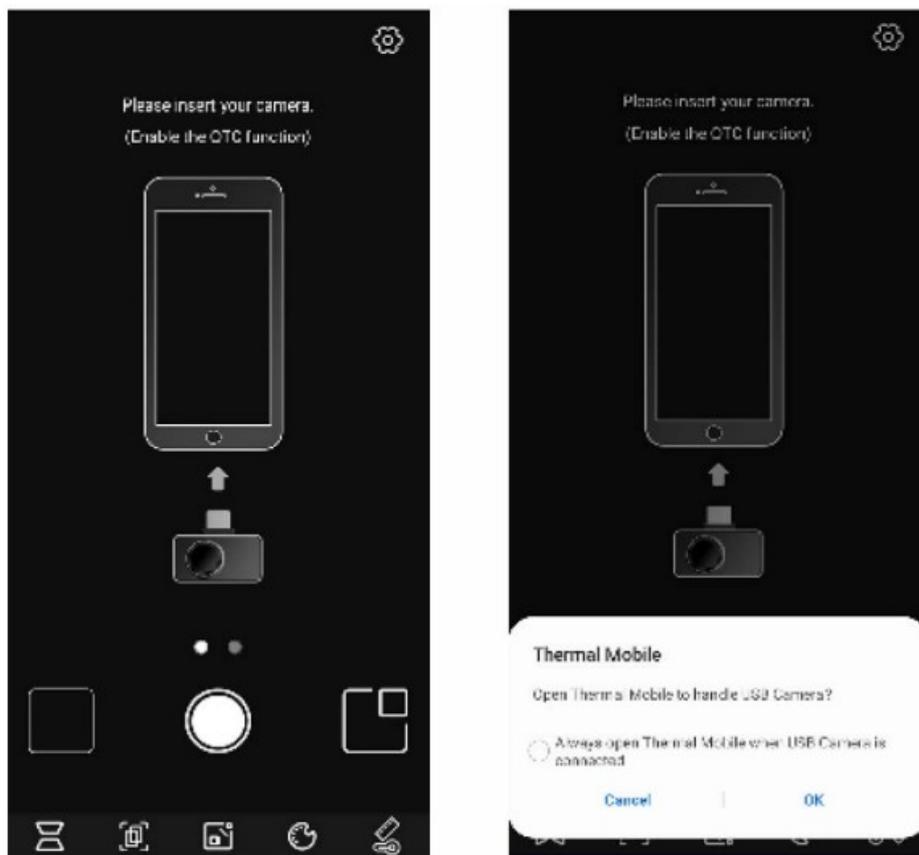
Focusing mode	Focus-free
Thermal sensitivity	<50mK @25°C
Frame rate	25Hz
Range	-20°C-550°C (-4°F-1022°F)
Accuracy	Industrial: 0°C-550°C, ±2°C/±2% (whichever is greater )
Human body: 30°C-40°C, ±0.5°C (room temperature without wind)	
Analysis objects	Point, line, rectangle (up to three figures can be added for each type)
Temperature display	Center point temperature, high/low temperature tracking
Unit	°C (default)/°F
High/low temperature alarm	V
Image modes	Thermal, PiP, blending
Image capture	Take photos or videos
Image format	JPG
Image viewing	Rotate/brush/temperature analysis/delete/save
Image storage	Store in the smartphone
Data communication	Type-C USB (male connector)
Language	English/Chinese
Smartphone APP	✓ (support Google Play)
Smartphone system	Android 6.0 or newer version
Certifications	FCC CE (EN61326-1)
Operating temperature	-10°C~50°C (14°F~ 122°F)
Storage temperature	-20°C~60°C (-4°F~ 140°F)
Operating humidity	10%~95%RH (non-condensing)
Power consumption	<350mW (room temperature, typical value)

## Connection

Open the APP. If the device is not detected, the device selection interface will pop up.

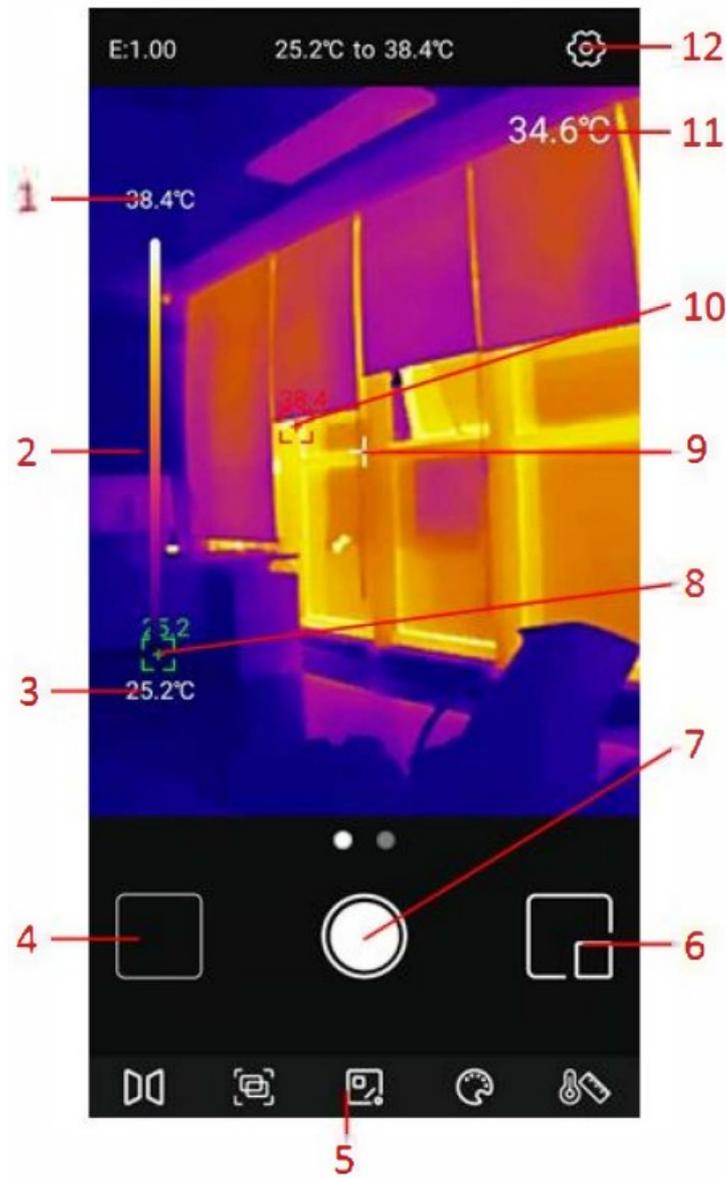


Select “UTi260M” to enter the following interface. At this time, users can still enter the “Photos” and “Setting” pages, but other functions are unavailable. Insert the device into the phone interface, and the screen will pop up a dialog box. Select “OK” to connect the device.



## Indicators/Icons

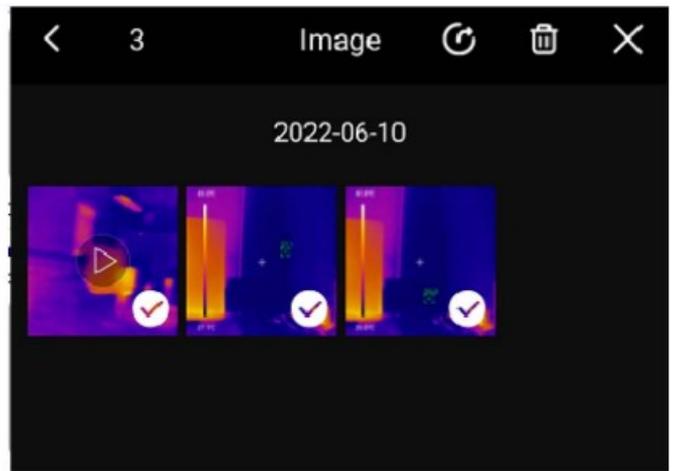
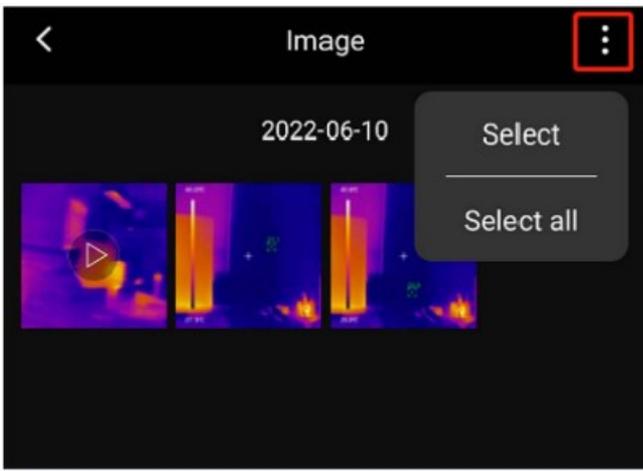
The initial state of the device after startup is shown in the figure below. The palette is Iron Red by default, and the main page is divided into the following sections.



No.	Description	No.	Description
1	Upper limit	7	Start taking photos/videos/finish taking videos
2	Range bar	8	Lowest temperature spot
3	Lower limit	9	Center point
4	Photos	10	Highest temperature spot
5	Menu bar	11	Center point temperature
6	PiP	12	Settings

## Photos

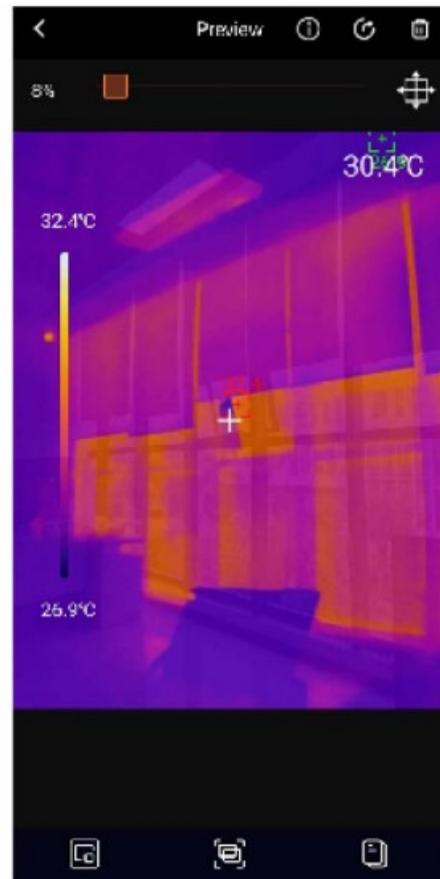
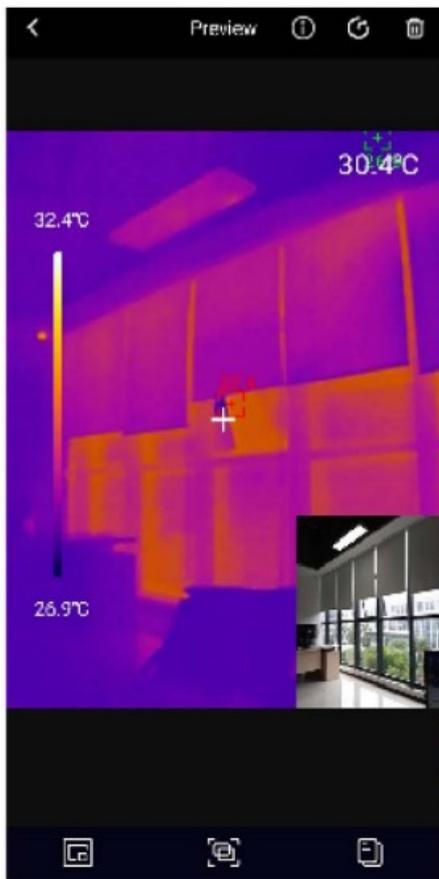
After opening the APP, tap “Photos” to enter the photos/videos interface. Tap to select photos/videos for sharing or deleting.



Tap a photo to enter the photo viewing interface. Users can view the photos/videos information (filename, date, time, resolution) or share/delete/PiP/blending/ preview/edit the photos/videos in this interface. (Note: Videos cannot be edited.)



If the Pip or blending function is turned on when capturing a photo, when viewing this photo, tap the icon a small PiP window will appear in the lower right corner. Users can tap  to check the blending situation, and drag the upper slider to adjust the blending ratio of visible light and infrared light.

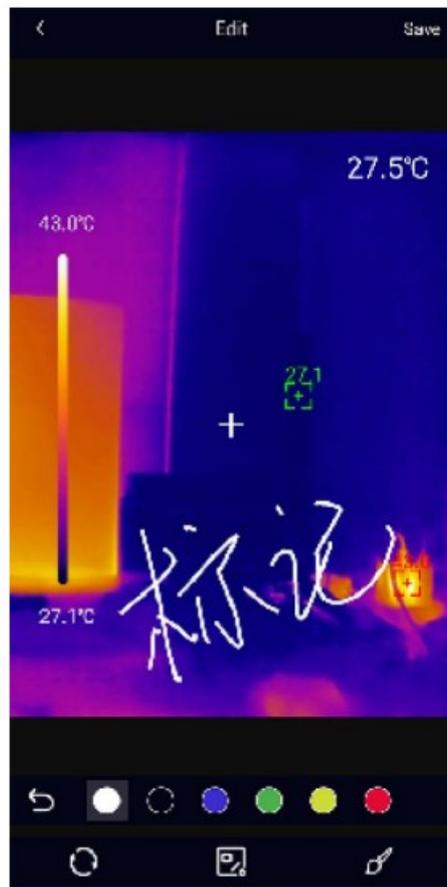


If the PiP or blending function is not turned on when capturing a photo, when users tap the Pip or blending icon, a prompt “No visible light!” will pop up.



Tap the edit icon  in the photo viewing interface to enter the editing interface. Users can edit the current photo. The specific editing operations are as follows:

1. Rotate the photo: Tap the icon  to change the photo direction
2. Add an analysis object: Tap the icon  to display the interface as shown in the lower left. These analysis objects can be moved/added/deleted.
3. Brush: Tap the icon  to display the interface as shown in the lower right. Users can mark a photo in different colors. Tap  to withdraw the previous operation. (After saving a photo, Tap  can still withdraw the previous operation.)



## 5. Main Interface Operations

### 5.1 Switch Camera

Tap the icon  to switch the front Urara camera of the mobile phone, and the infrared light image will be mirrored.

### 5.2 Blending

When users tap the icon  a slider for adjusting blending will appear at the top. Dragging the slider can adjust the blending ratio of visible light and infrared light.

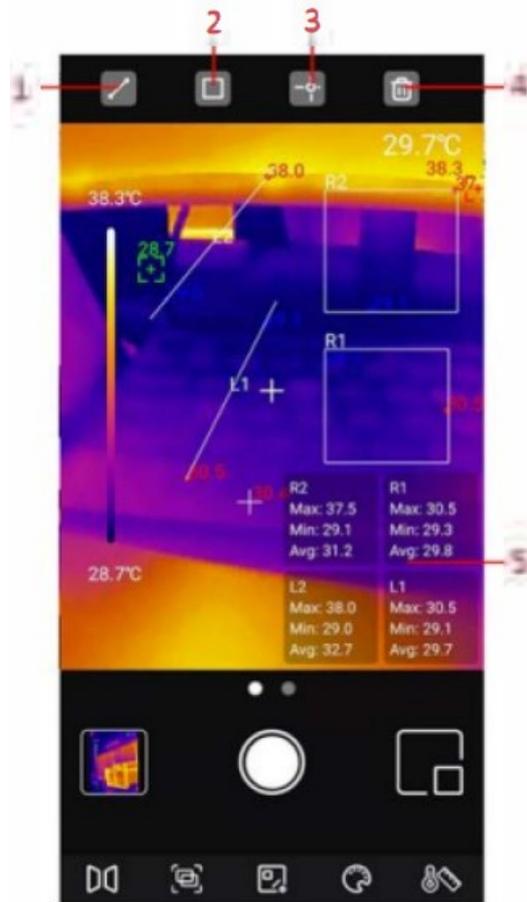
Drag the screen to manually adjust the blending distance.



### 5.3 Analysis Objects

Tap the icon  to enter the interface for adding analysis objects, as shown in the figure below. Users can add/move/delete analysis objects (poi Uline/rectangle). (Note: Tap the delete icon to delete all added analysis objects. To delete a single analysis object, drag the object to the edge until it disappears.) Up to three figures can be added for each type.

Analysis objects added in the main interface can be deleted in the edit interface.



NO.	Description
1	Add a line
2	Add a rectangle
3	Add a point
4	Delete
5	Temperature analysis area

### 5.3.1 Line

Tapping the icon  can add a line analysis object and expand a semi-transparent information bar at the bottom of the interface to display the temperature information of the added object.

If users drag a line to change its position, the temperature information of the line will be updated synchronously.

### 5.3.2 Area

Tapping the icon can add a rectangle analysis object and expand a semi-transparent information bar at the bottom of the interface to display the temperature information of the added object. If users drag a rectangle to change its position, the temperature information of the rectangle will be updated synchronously.

### 5.3.3 Point

Tapping the icon can add a point analysis object and its temperature will show next to it.

If users drag a point to change its position, the temperature of the point will be updated synchronously.

### 5.3.4 Delete

Tap the delete icon and select "Yes" to delete all added analysis objects.

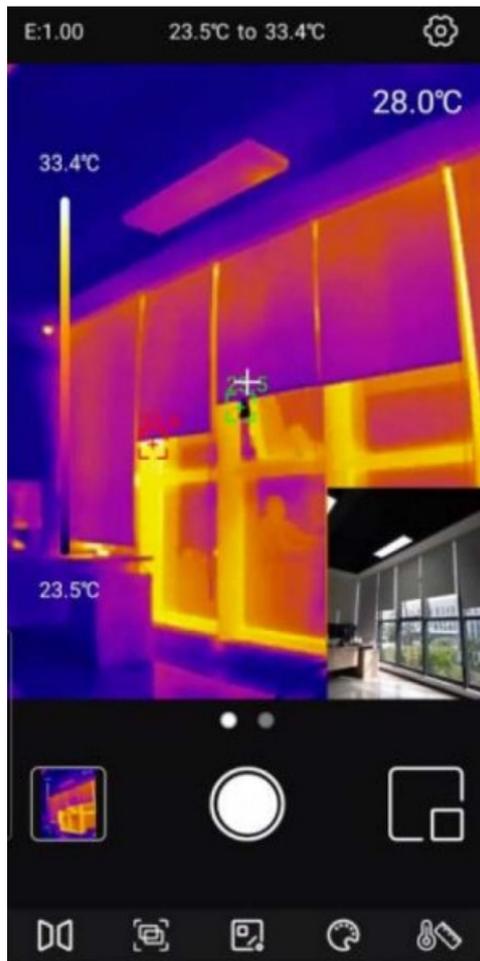
#### 5.4 Palettes

In the main interface, tap the icon and the optional palettes will show on the top of the screen. This APP provides Iron Red, Rainbow, Gray Scale, Red Hot, Black White, Lava, High-Contrast Rainbow palettes for users to choose according to different scenes or preferences.



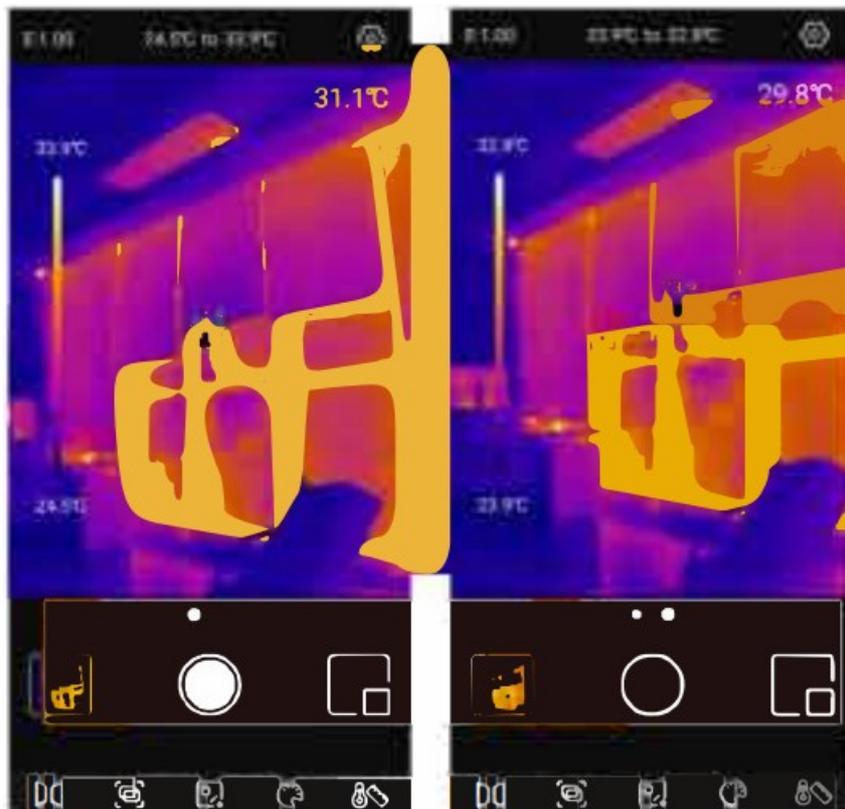
#### 5.5 PiP

Tap the icon on the main interface, the APP will open the phone camera and display a small PiP window. Tap the icon again to cancel the Pips.



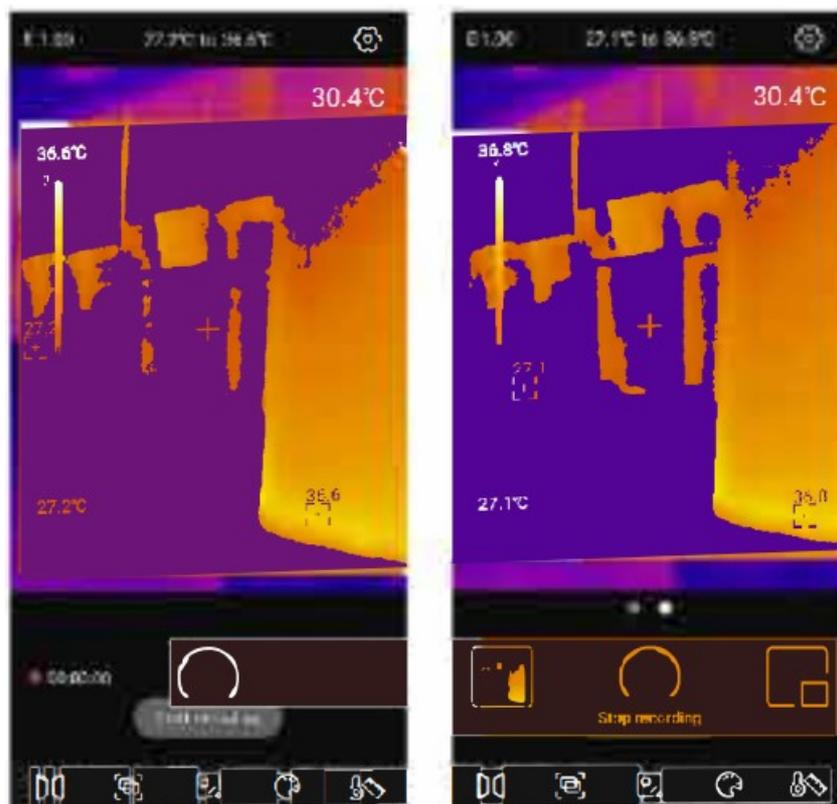
### 5.6 Switch Photo Video Function

Slide the camera button left/right to switch between taking photos/videos. Both photos and videos will be automatically saved in Photo.



Slide the camera button left/right to enter the recording mode. Click the recording button to start recording, and

the recording duration will be displayed in the lower left corner. Click the button again to end the recording.

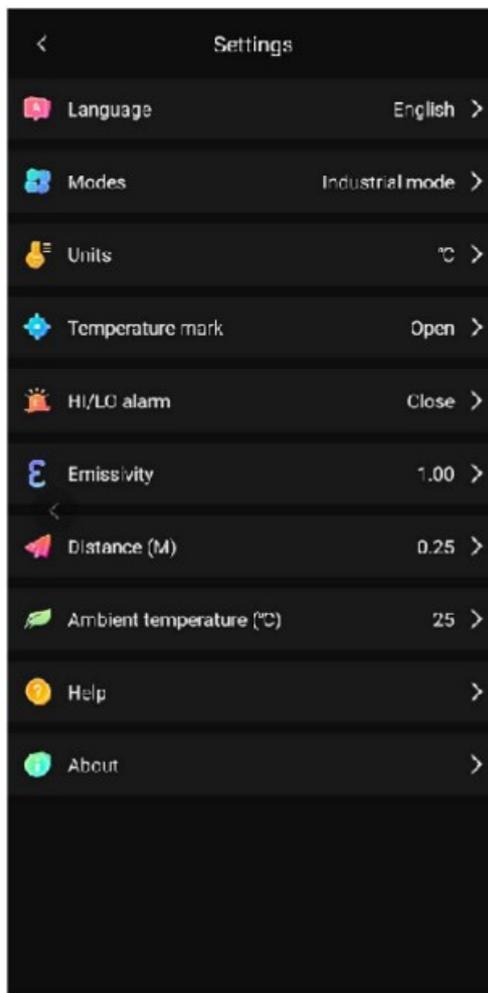


### Auto Call Shutter

The device will automatically call the shutter according to the changing environment or the different temperature of the measured target.

### Settings

Tap the icon to enter the setting interface. Users can perform functions such as selecting language/mode/temperature unit/temperature mark, setting high and low temperature alarm/emissivity/measurement distance (M)/ ambient temperature, and viewing help/about



## Cautions

- Do not use soluble liquids on the device, as this may cause device damage.
- When using the device, please try to keep it stable and avoid violent shaking.
- Please do not violently disassemble the product to avoid irreversible damage.
- Please avoid hard objects contacting the device lens.
- Please do not point the product lens at high-intensity energy sources (including the sun, laser emission equipment and the reflection sources of these equipment), otherwise it may affect the measurement accuracy, and damage the infrared detector of the product.
- Please put the product into the carrying box when it is not used.
- Due to different batches, the materials and details of actual products may be slightly different from the graphic information. Please refer to the goods received.
- The experimental data in the manual are theoretical values and all from Uni-Trend's internal laboratories, for reference only. Customers cannot use them as bases for placing orders. If users have any questions, please contact customer service.

The contents of this manual are subject to change without prior notice.

**UNI-T**<sup>®</sup>  
**UNI-TREND TECHNOLOGY (CHINA) CD., LTD.**  
No.6, Gong Ye Bei 1st Road,  
Longshan Lake National High-Tech Industrial

Development Zone, Dongguan City,  
Guangdong Province, China



## Documents / Resources



[UNI-T UTi260M Thermal Imager](#) [pdf] User Manual  
UTi260M Thermal Imager, UTi260M, Thermal Imager, Imager

[Manuals+](#)