

# TIOP01 User Manual

## 1. Introduction

TIOP01 is a simple thermal imager that needs to be used based on mobile phones. it is very light and easy to carry and store when going out.

## 2.Parameters

Weight: 10g

Size: 44 x 29.2 x 19mm

Resolution: 32 x 32

Interface: Type-C

Mobile phone system: Android 8-12, which supports saving pictures locally

Field angle: 33° \* 33°

Maximum frames: 5FPS

Number of color plates: 5

Temperature measurement accuracy:  $\pm 3^{\circ}\text{C}$

Temperature measurement range:  $-20\sim 1000^{\circ}\text{C}$

Operating temperature:  $0\sim 50^{\circ}\text{C}$

Storage temperature:  $-40\sim 80^{\circ}\text{C}$

## 3.How to download APP

APK Download Address:

(Android devices only)



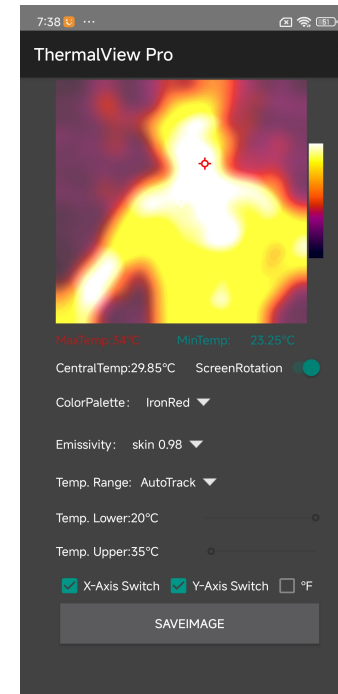
## 4.How to connect your mobile phones

Turn on the OTG function in the phone's settings interface, Then plug the camera into the phone's Type-C connector. The app will prompt you to authorize the USB device, Click "OK".

Allow ThermalView Pro to access  
USB Device?

CANCEL OK

## Description of the operation interface



1. **Menu (upper right):** select the APP language, which currently supports English and Simplified Chinese.
2. **MaxTemp, MinTemp, CentralTemp:** indicates the corresponding temperature value of the current measurement screen.
3. **ScreenRotation:** Enable mobile phone layout inversion. You can rotate the phone so that the thermal imager sits on top and easy to hold. ( Tip: Some phones require the interface auto-rotation feature to be enabled )
4. **ColorPalette:** Selecting an image pseudo palette scheme for a usage scenario.
5. **Emissivity:** Selecting different emissivities for different target materials results in more accurate measurements.
6. **Temp.Range:** AutoTrack or Manual. Set the maximum and minimum temperature values according to the current color scheme.  
(Temp.Lower): the lower temperature limit  
(Temp.Upper): the upper temperature limit
7. **X-Axis Switch:** Horizontal flip image  
**X-Axis Switch:** Vertical Flip Image
8. ☐ **°F:** Temperatures are expressed in Celsius by default. Enable this option to use Fahrenheit.