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**Infrared Systems**

**EasyIR APP User Manual**

**FOTRIC Inc.**

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# 1 Software Introduction

The EasyIR APP enables users to stream and operate FOTRIC thermal cameras with their mobile devices. The app helps users to download, store, view, analyze, share and delete thermal images on their mobile device; view the real-time non-radiometric video online, remotely control the camera to take pictures, auto-focus, etc.

## 2 Software Installment

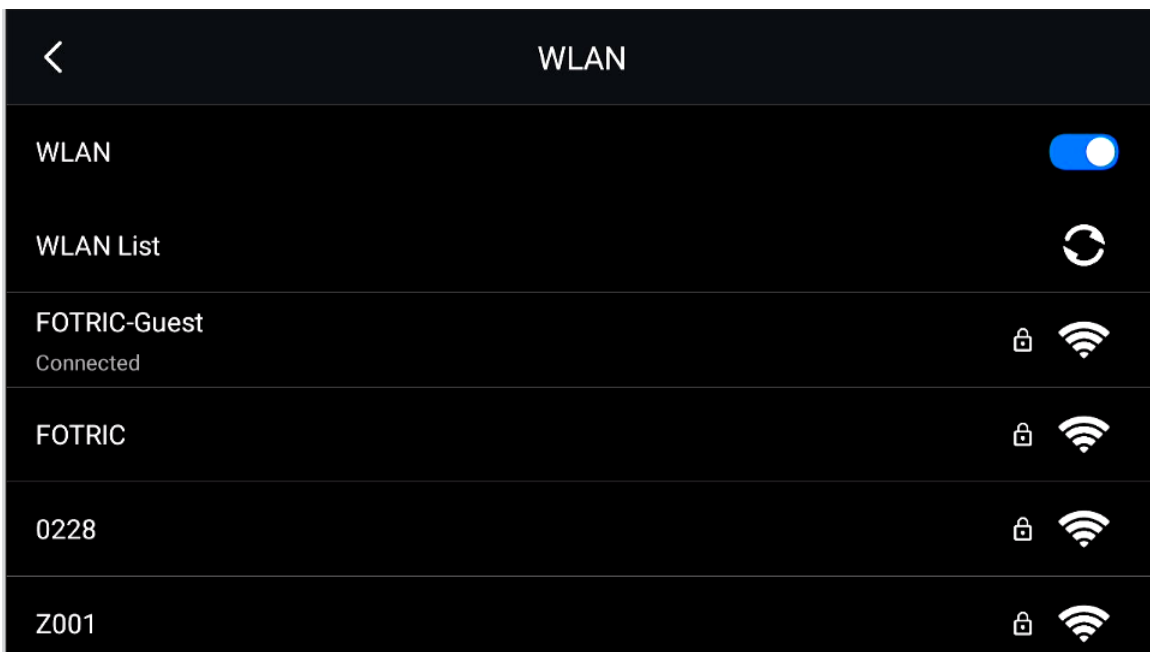
**Step 1:** Check if the FOTRIC 340's software version is V2.5.0 or above;

**Step 2:** Download 'EasyIR.apk' and install;

## 3 Device-end Operation

### 3.1 Turn on Web Service on the device

Go to "Settings-Connection" to access the following interface on your thermal camera :



Once connected to the WIFI, turn on the 'Web Service' as the following image indicates:



*Note: After activating the Web Service, the APP may access the device via IP address or by scanning the QR code*

### 3.1.1 Connecting through IP Address

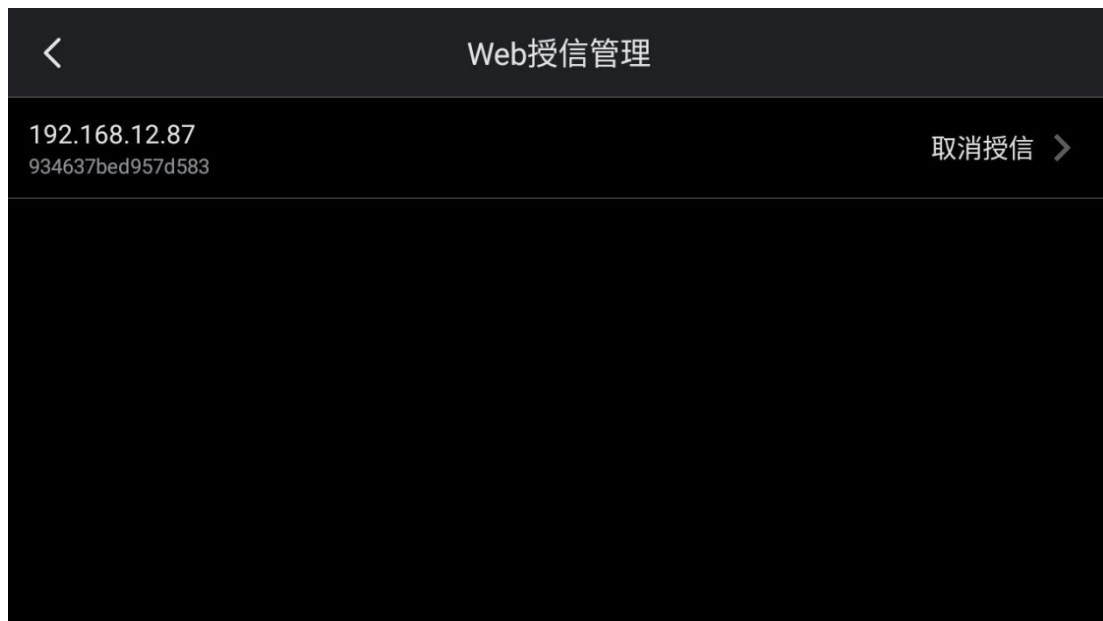
Settings->Device Set->>About->Status Information->IP Address

Status Information	
IMEI	863178041850512
IP Address	192.168.100.115
Mac Address	54:65:03:34:2B:C3
Bluetooth Address	54:65:03:34:19:BD

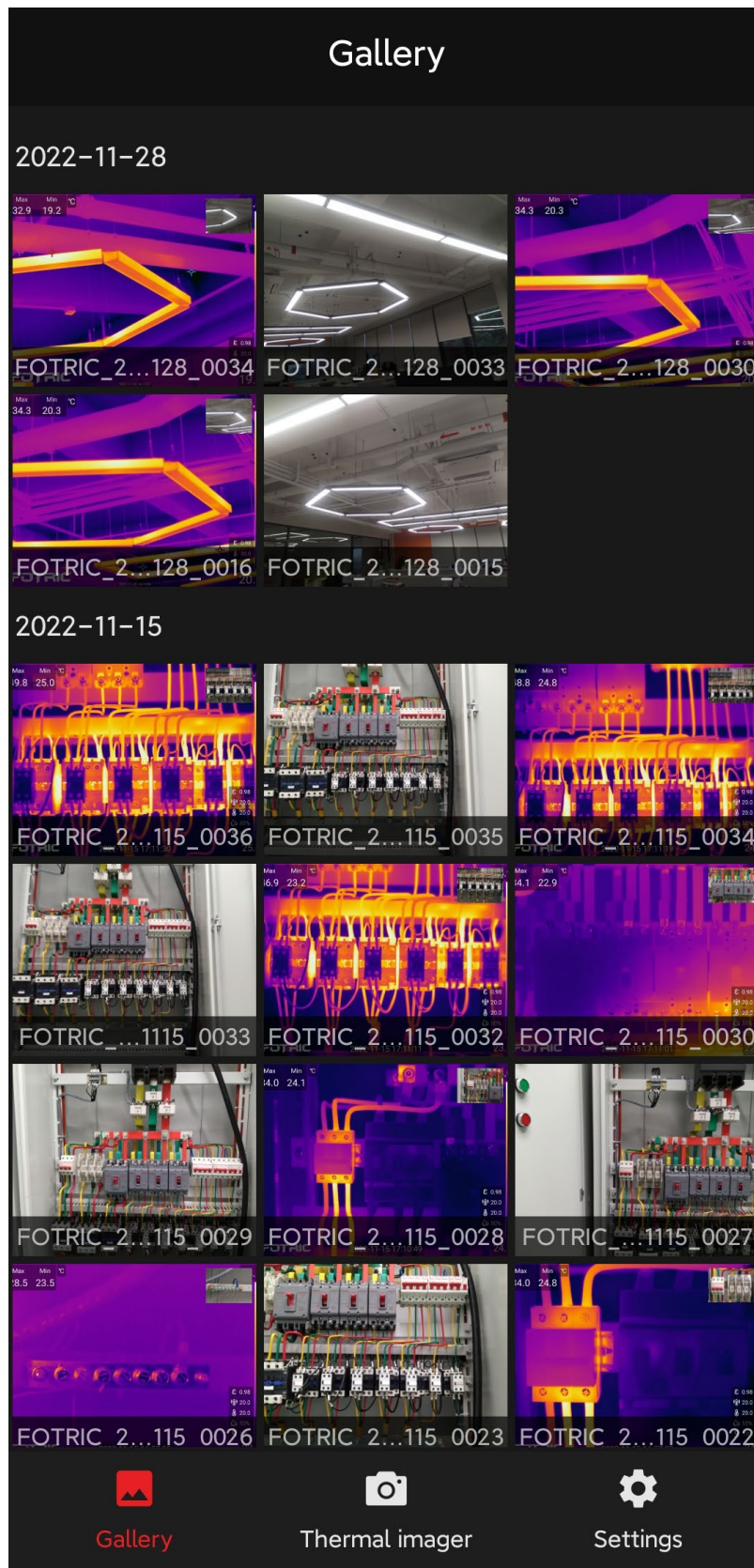
### 3.1.2 Connecting through QR Code

**Settings->Device set->About->QR Code****3.1.3 Web Authorization**

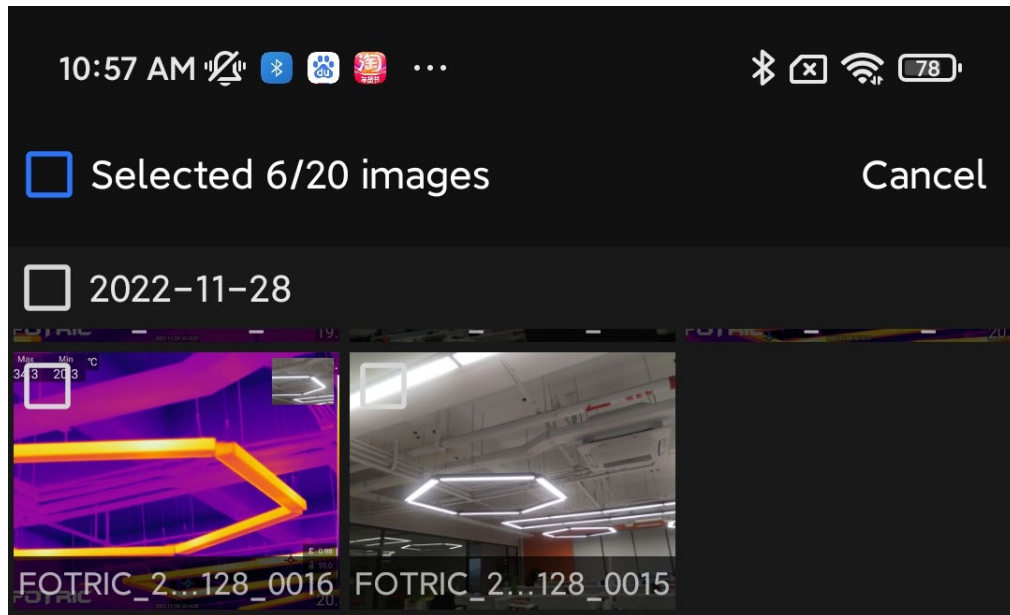
Once the device has authorized the connection, the user may also cancel the authorization under “Web Service->Web Authorization”

**4. APP Operation****4.1 Gallery****4.1.1 Preview**

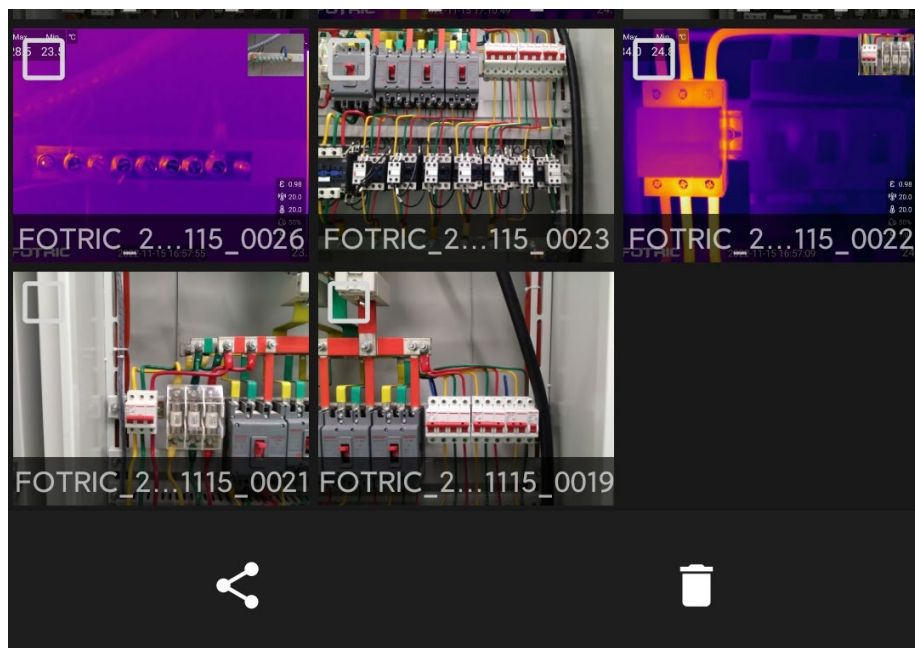
The preview interface displays image titles, image groups, and image covers



It supports single selection, group selection, select all and cancel functions

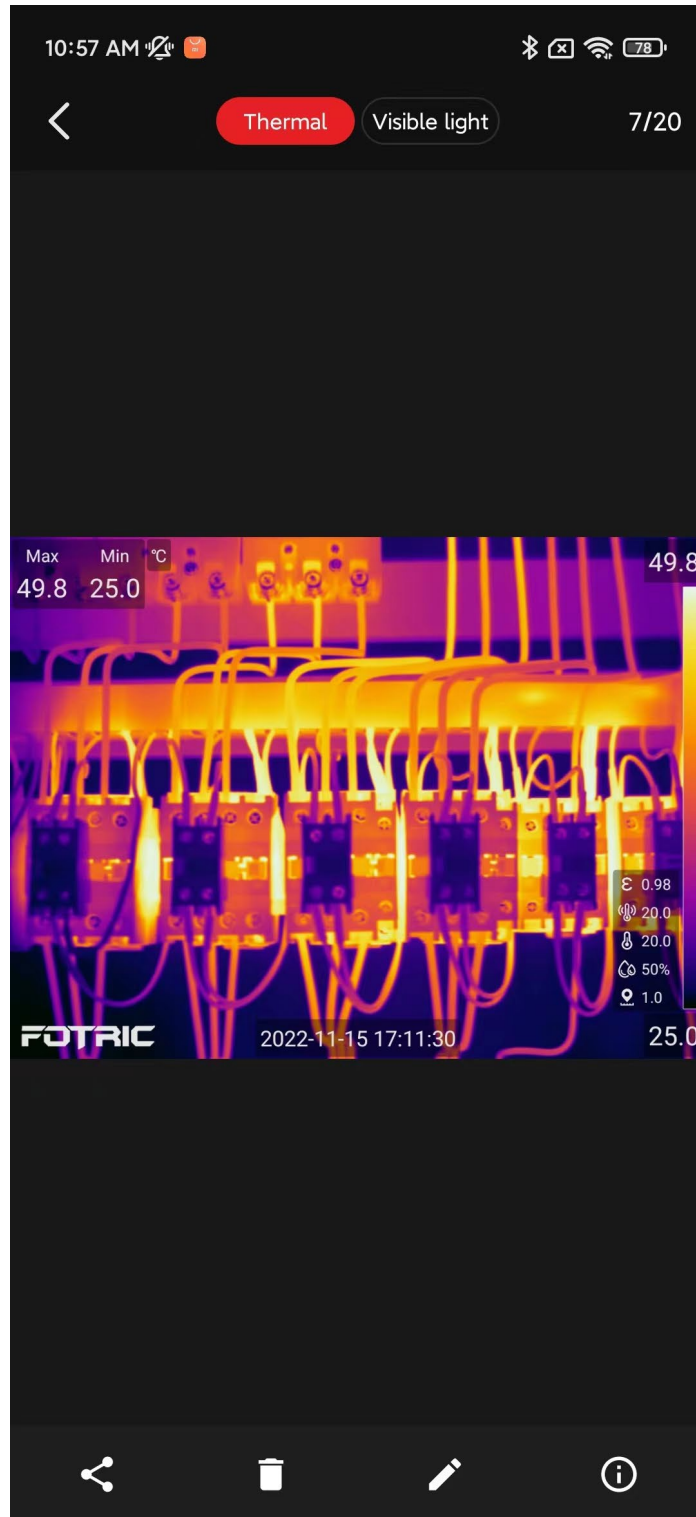


Users can also delete and share the thermal images



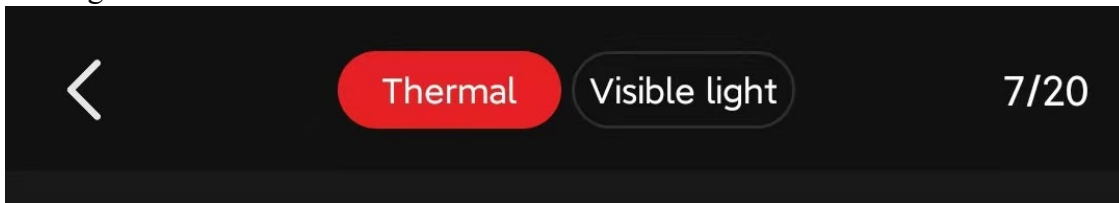
### 4.1.2 Image View

On this interface, users can view the thermal image and digital image, swipe in between images, share, delete, analyze and read file info.

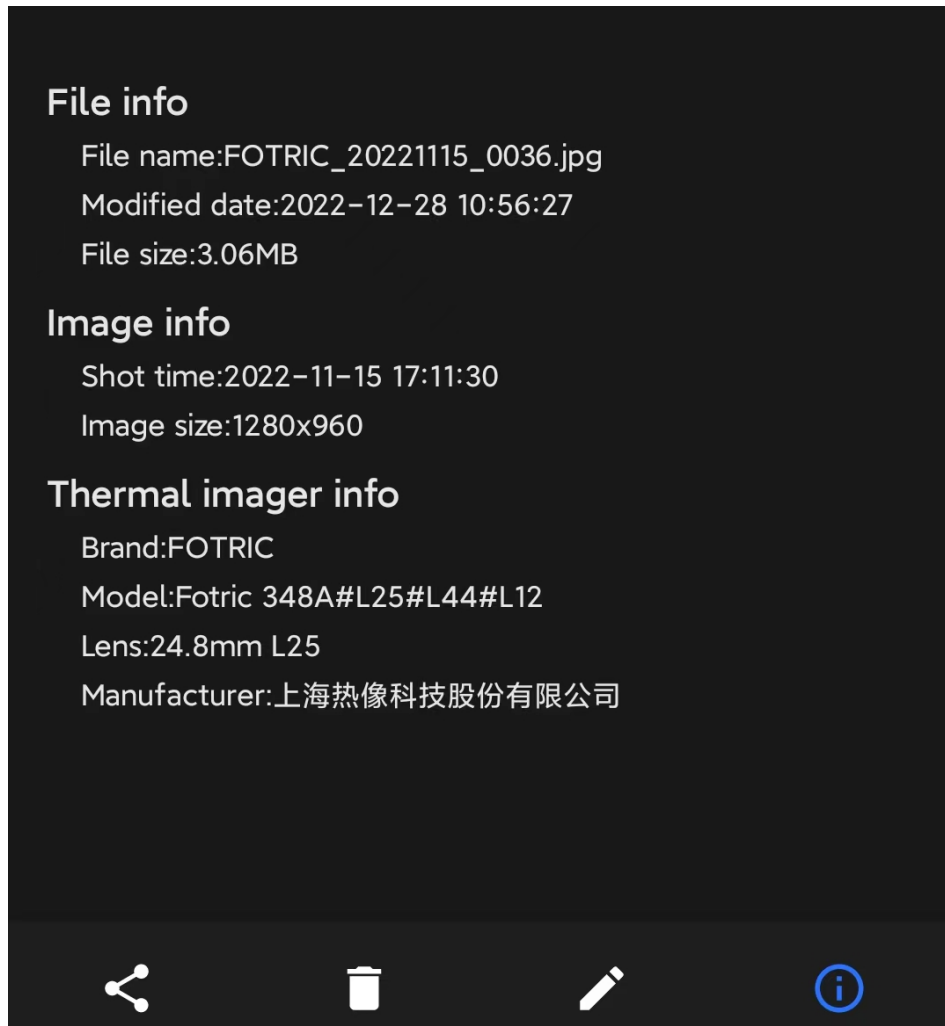




It supports toggling between thermal imaging and digital image, and displays the number of images;

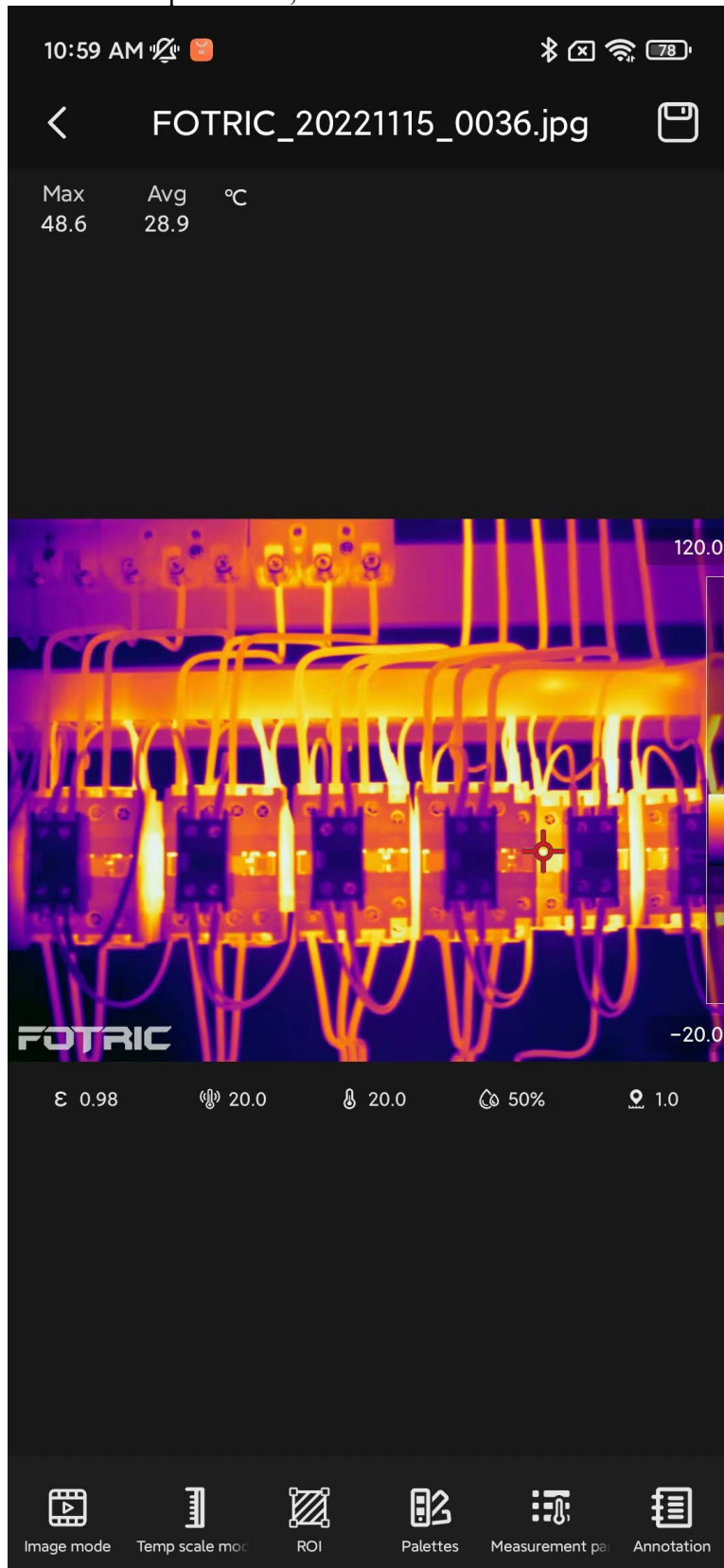


Users can share, delete, edit, and read file info;



### 4.1.3 Analyze

Users can also access Max/Avg temperature display, Image mode, Temperature scale, ROI, Palette, Measurement parameter, and Annotation.



File Name, Max/Avg temp, previous page, and save button.

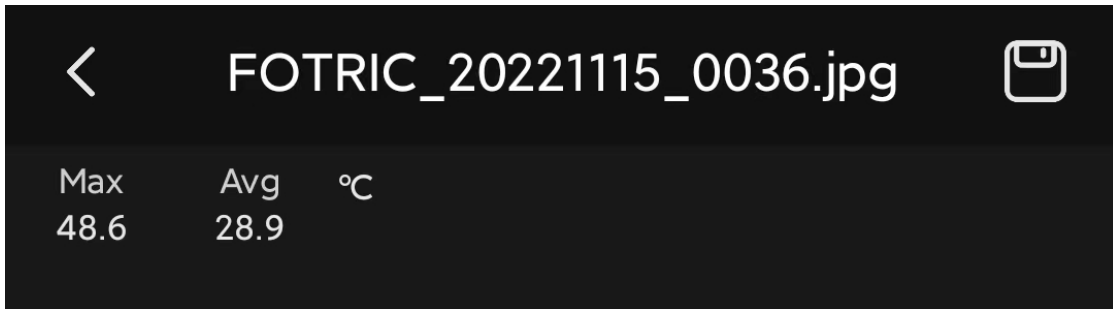
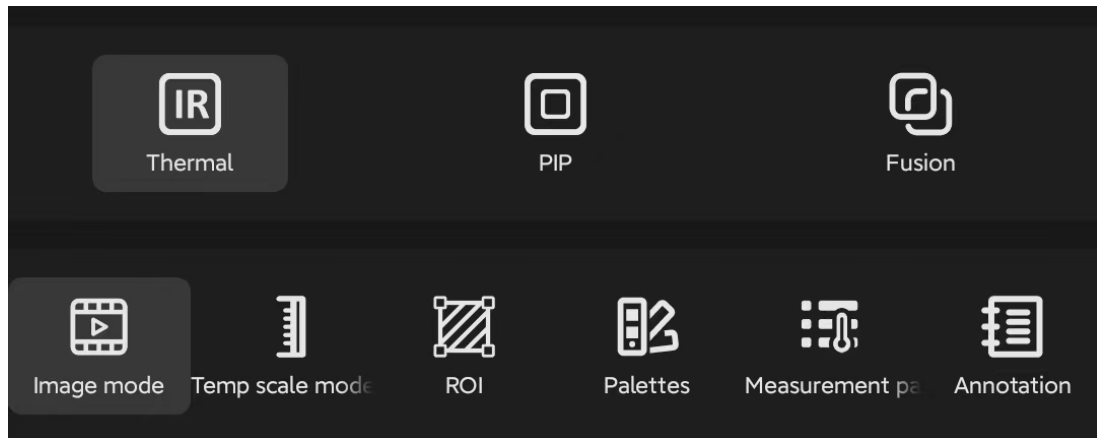
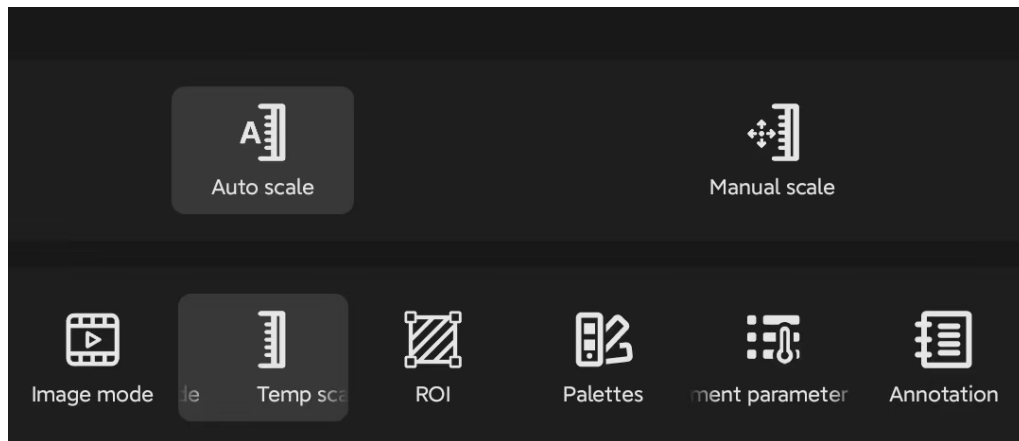


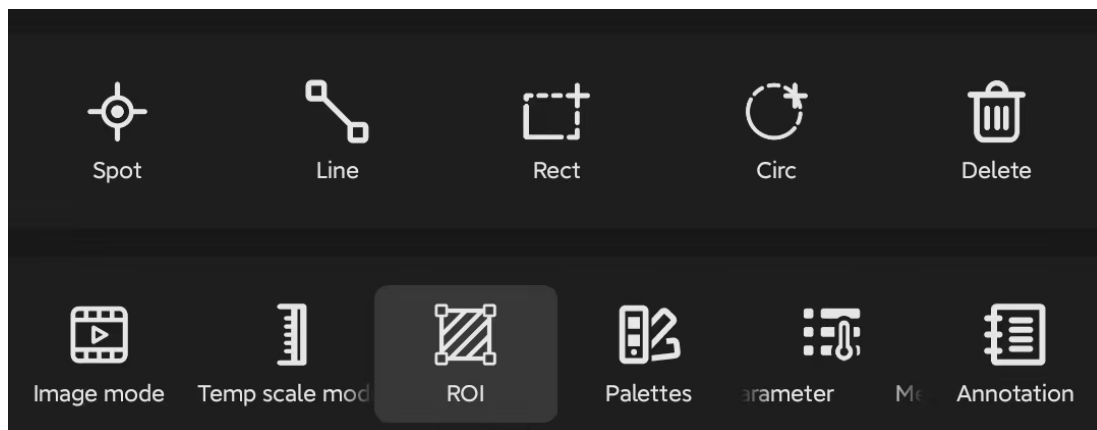
Image mode: Support switching among thermal, PIP, and Fusion.



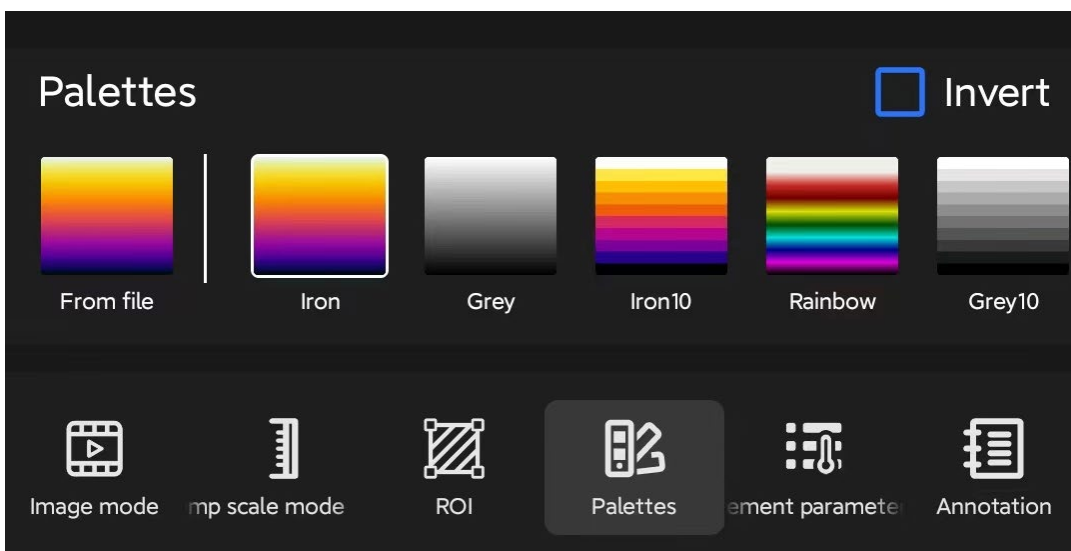
Temperature scale mode: Support switching between Automatic and Manual scale



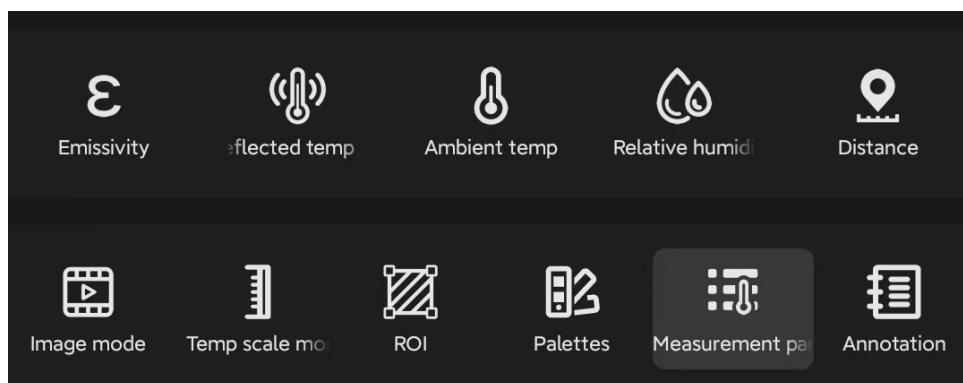
ROI: Supports adding spots, lines, rectangles, circles, and deletion.



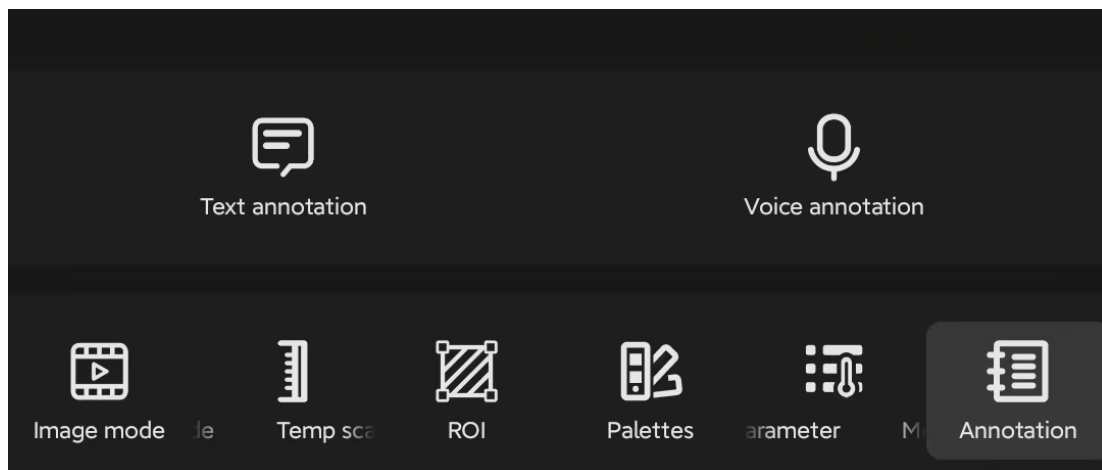
Palette: Supports switching among 16 different color palettes and inverted palettes.



Measurement parameter: Support setting Emissivity, Reflected temperature, Ambient temperature, Relative humidity, Distance.

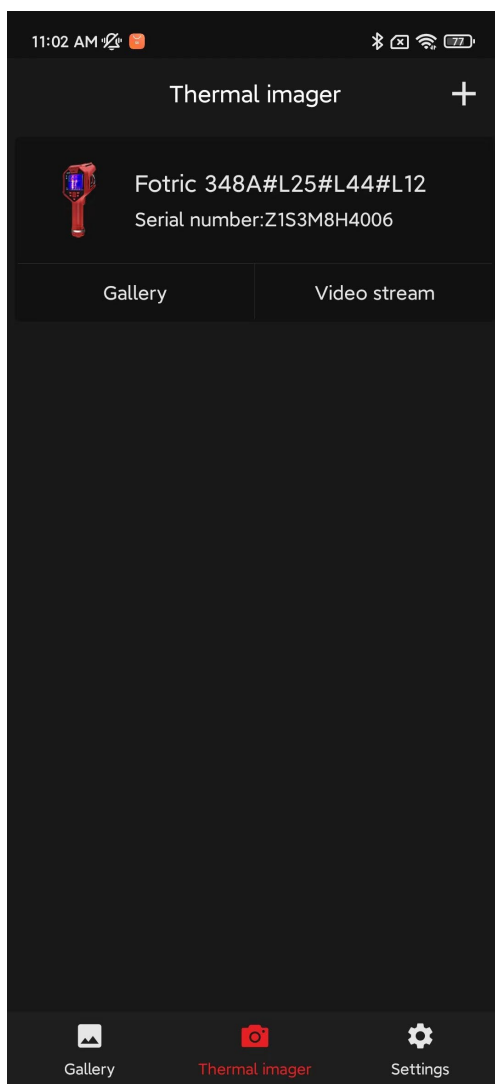


Annotation: Support text annotation and voice annotation.



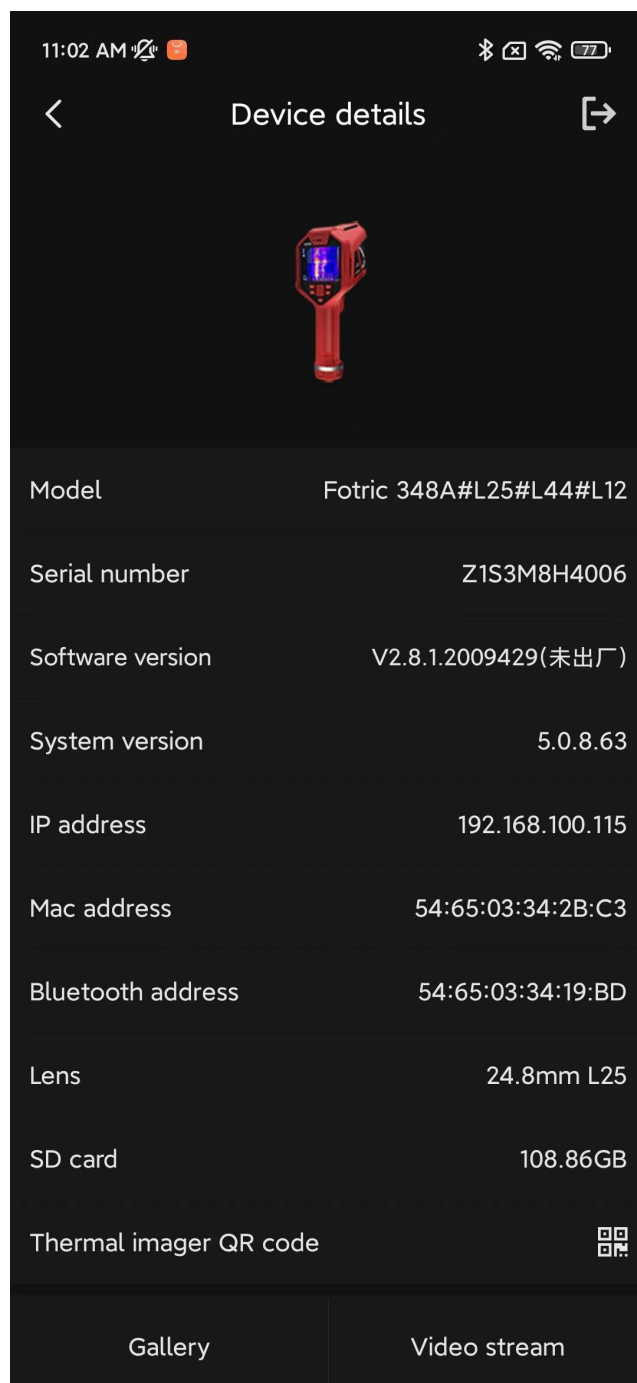
## 4.2 Thermal Imager

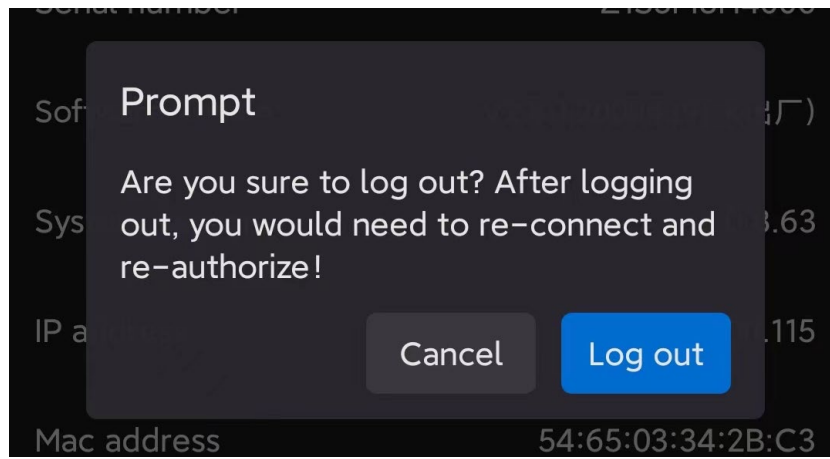
Thermal imager interface:



### 4.2.1 Thermal Imager Info

At this interface, users may see the thermal imager's icon, model, serial number, software version, system version, IP address, Mac address, Bluetooth, Lens, and SD card capacity, and get access to the Gallery, Live stream, and Log out.





### 4.2.2 Gallery

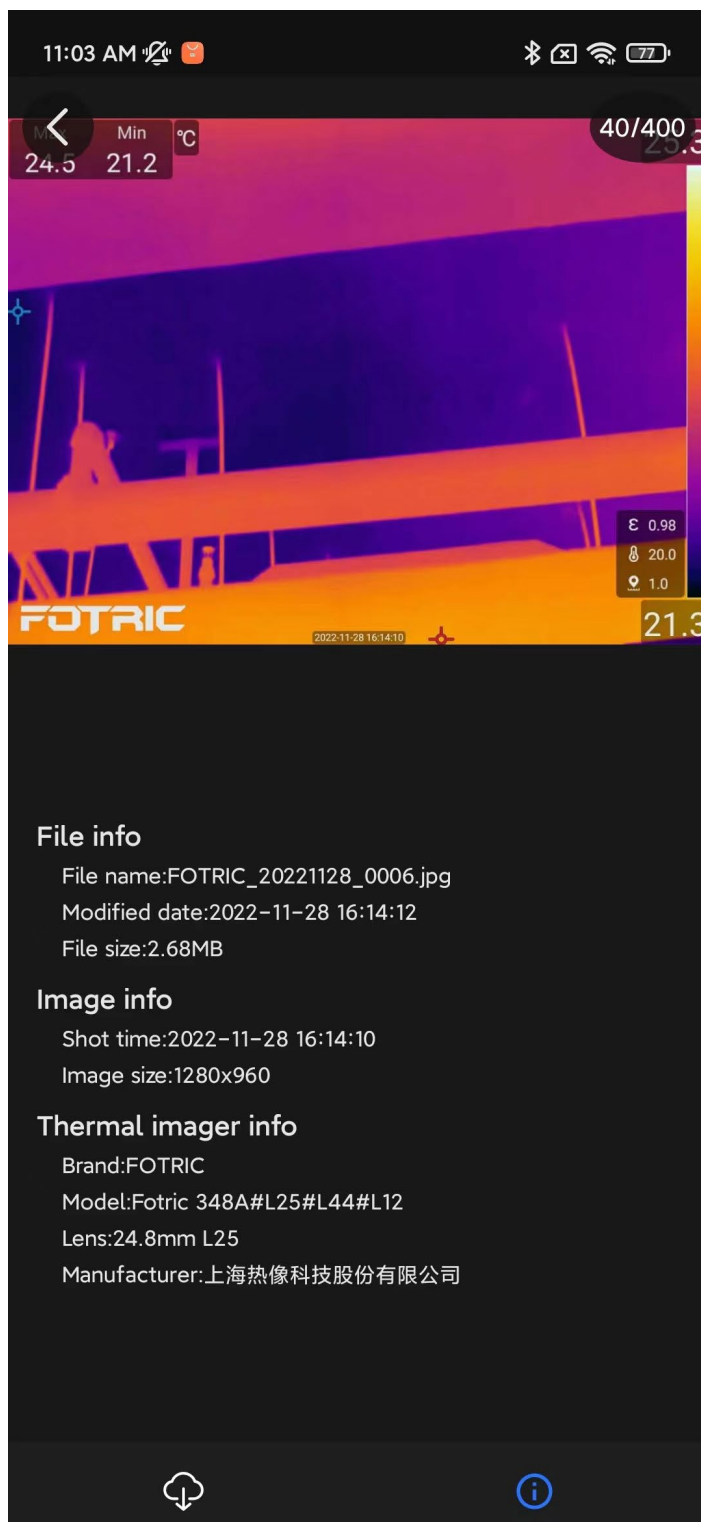
Long-press enables multiple selections, which allows downloading files to the mobile device.





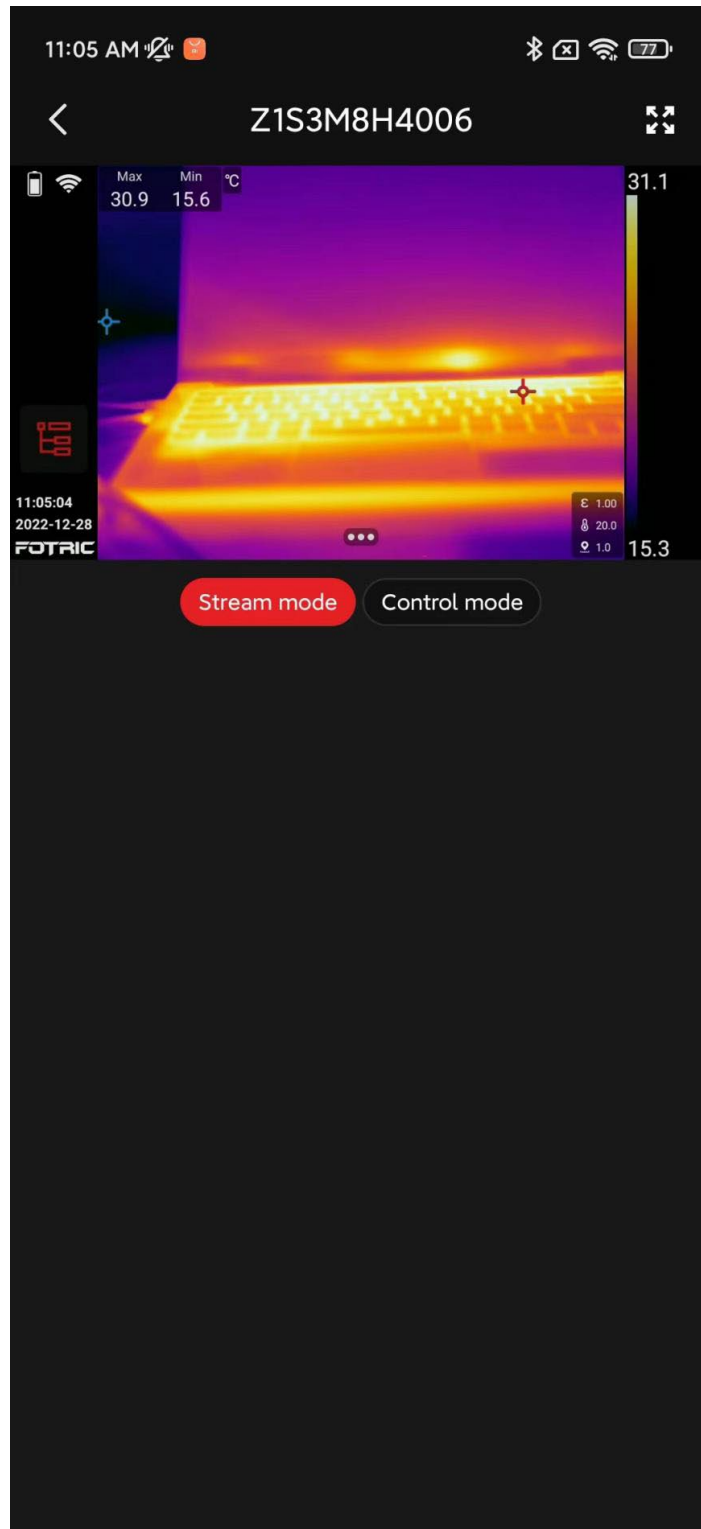
### 4.2.3 Image Preview

Download, View thermal image info



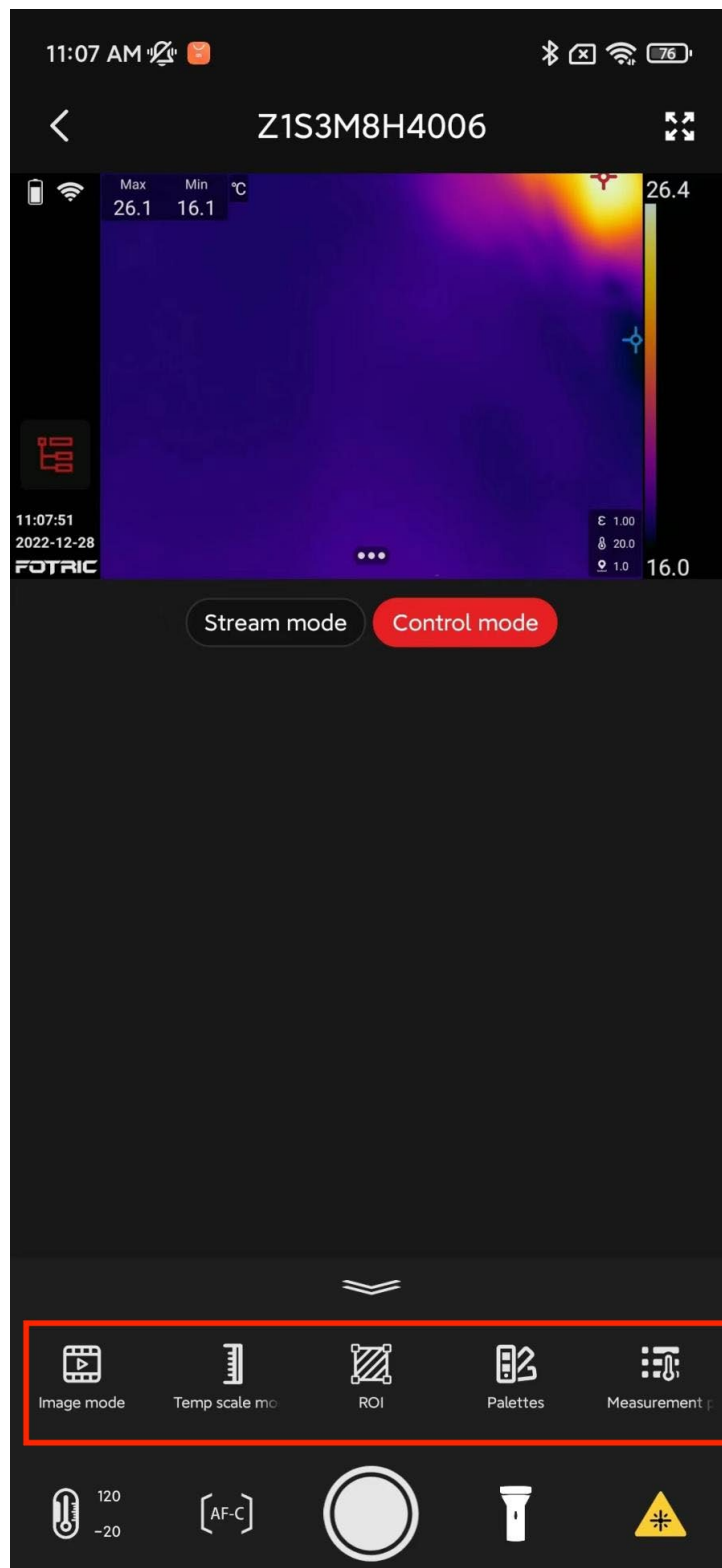
#### 4.2.4 Stream Mode

Stream mode: Support Screen projection, Control mode, and Full-screen mode

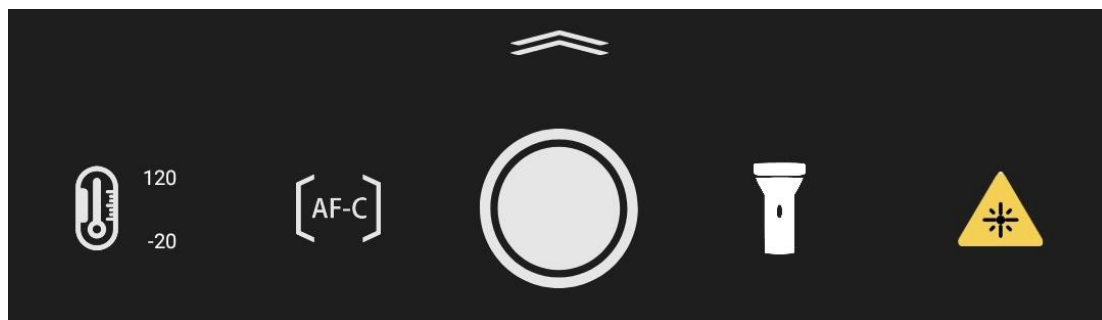


## 4.2.5 Control Mode

In the control mode, users can switch Image mode, Temperature span, ROI, Palettes, Measurement parameters

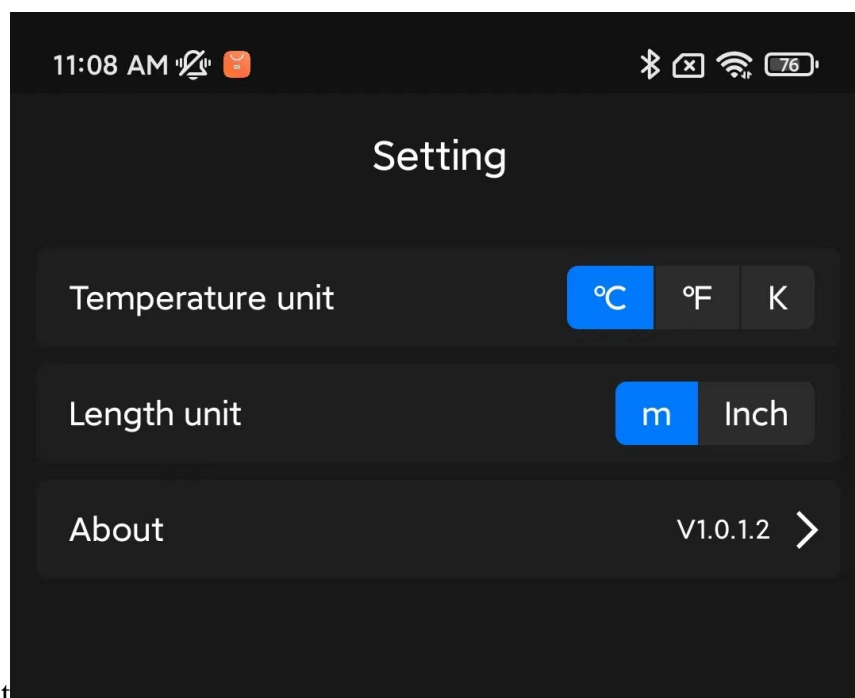


Users can also adjust the temperature range, auto-focus the camera, take images, and turn on/off the LED flash and Laser.



### 4.3 Settings

Settings: Users can access adjusting temperature units, length units and the current app version



### 4.3.1 About

This interface supports checking possible software update

