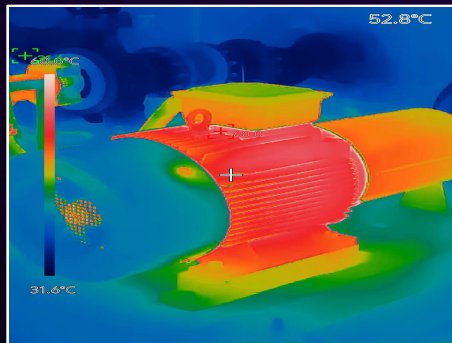


Thermal camera for Android smartphone--UTi740M

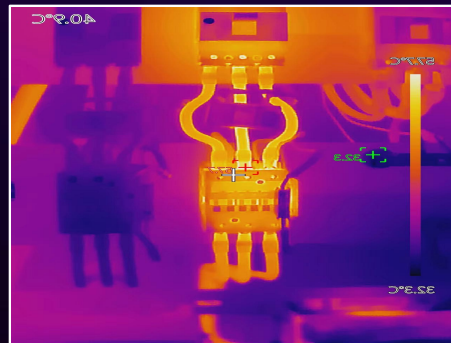
400x300



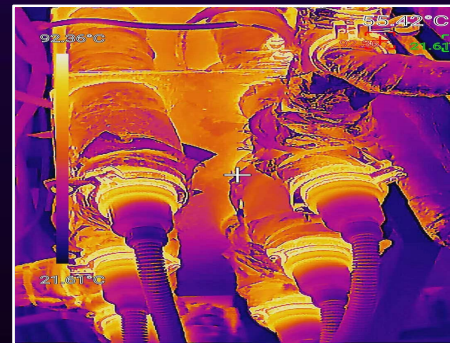
Applications



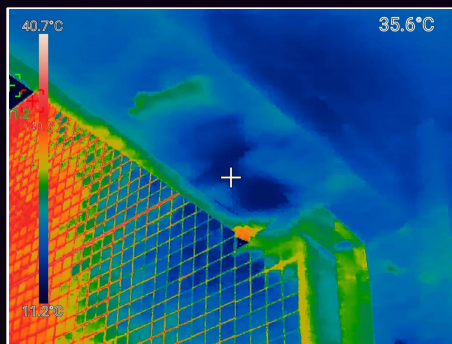
□ Motor inspection



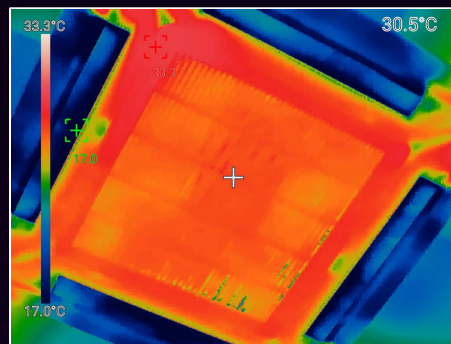
□ Electrical inspection



□ Equipment Maintenance



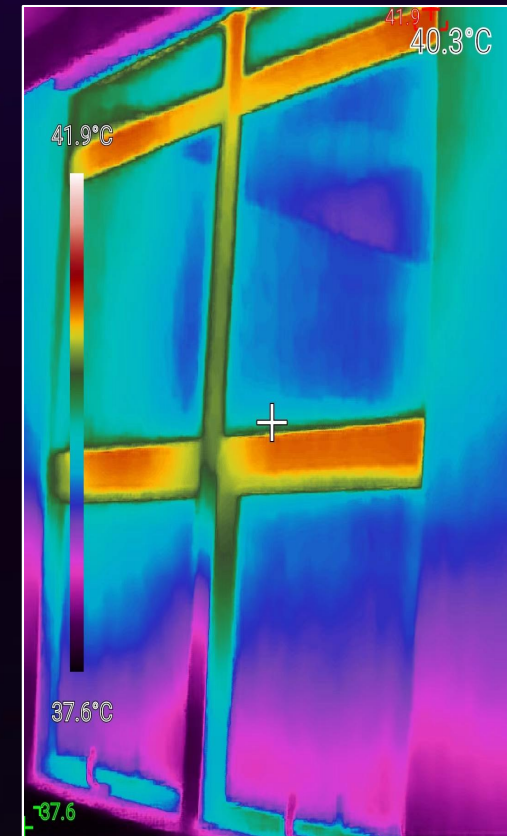
□ Moisture leakage inspection



□ HVAC



□ EST screening



□ Insulation inspection

Features

UTi740M is a manual focus thermal camera module designed for Android devices with Type-C USB interface. With light-weight & battery-free design. Plug & play with "Thermal Mobile "APP. User-friendly, fast imaging. Perfect measurement tool for building inspection & DIY use.



Easy to carry



Manual focus



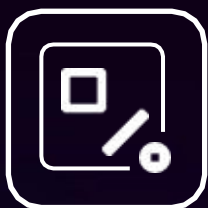
IR resolution



Super resolution



Video recording



On screen analyzer



Flexible isotherm



Mobile APP

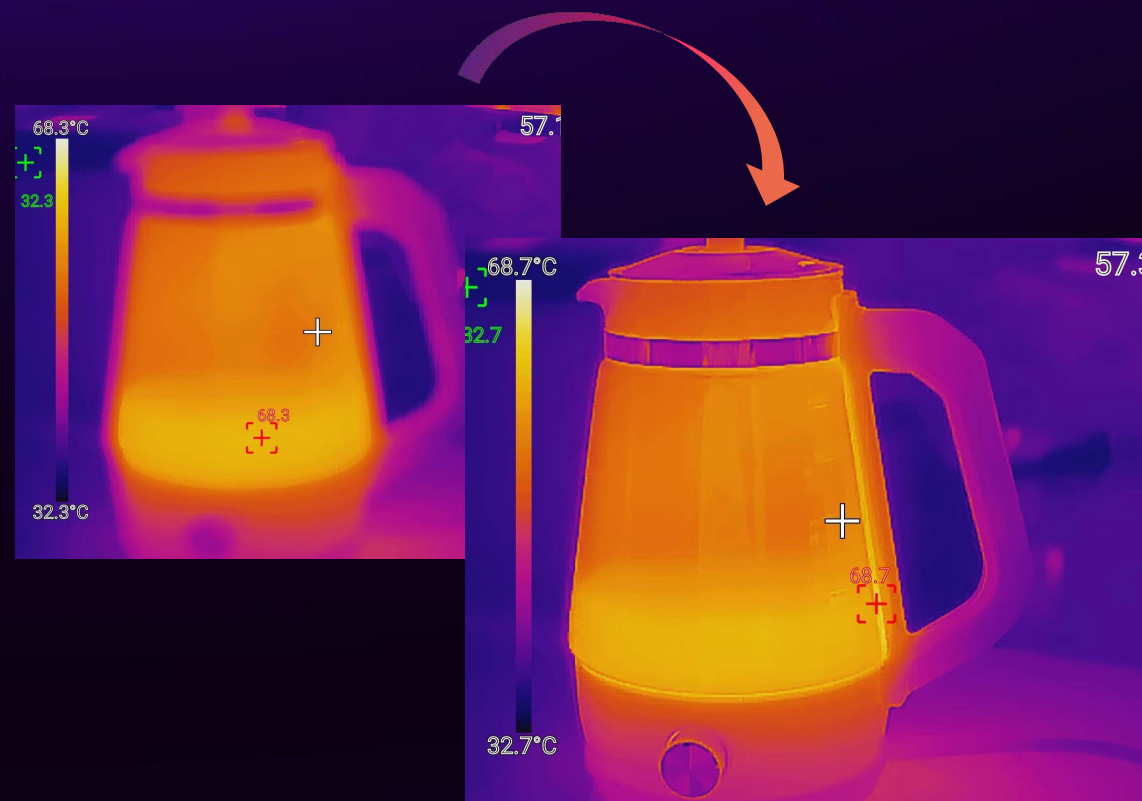
Light-weight Design



Weight: **Approx. 46g**

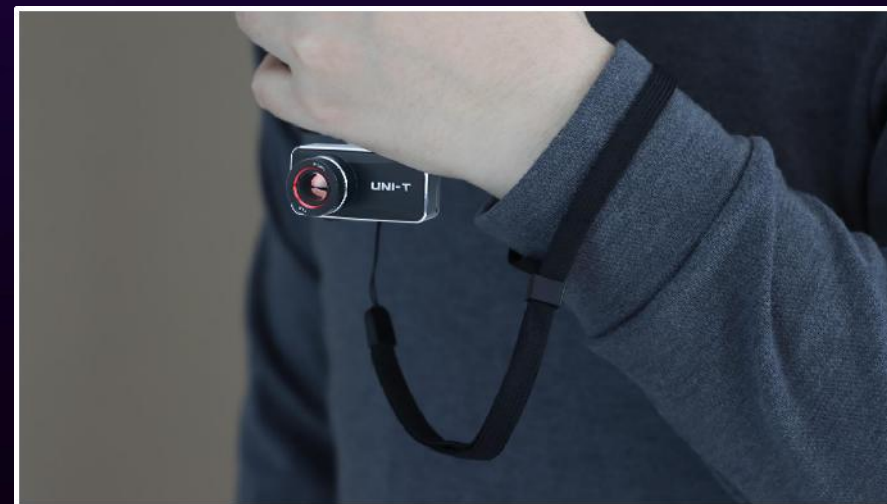
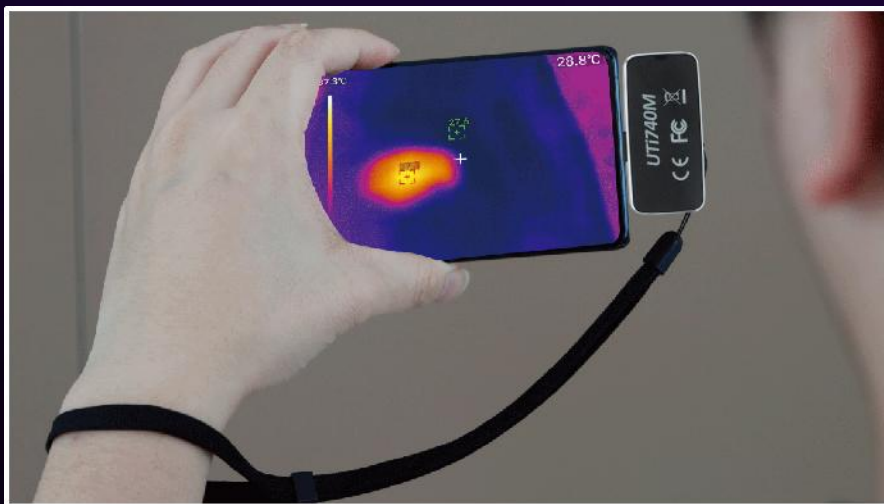
Dimension: **58mm×27mm×28.6mm**

Manual Focus



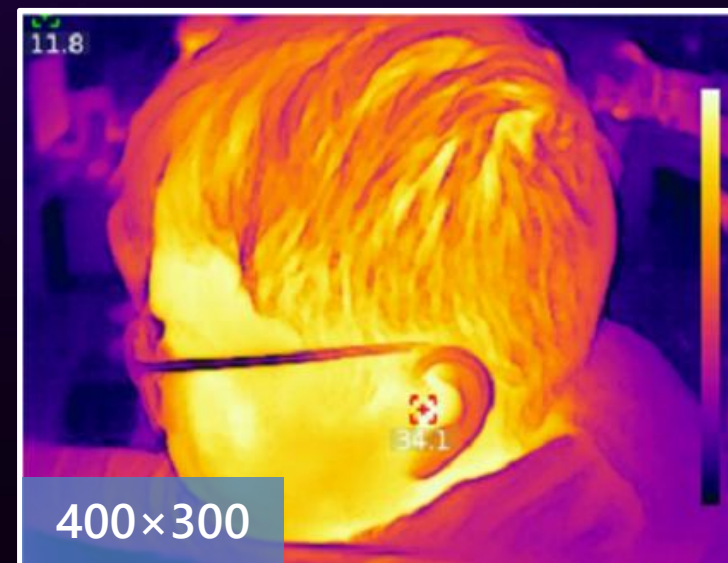
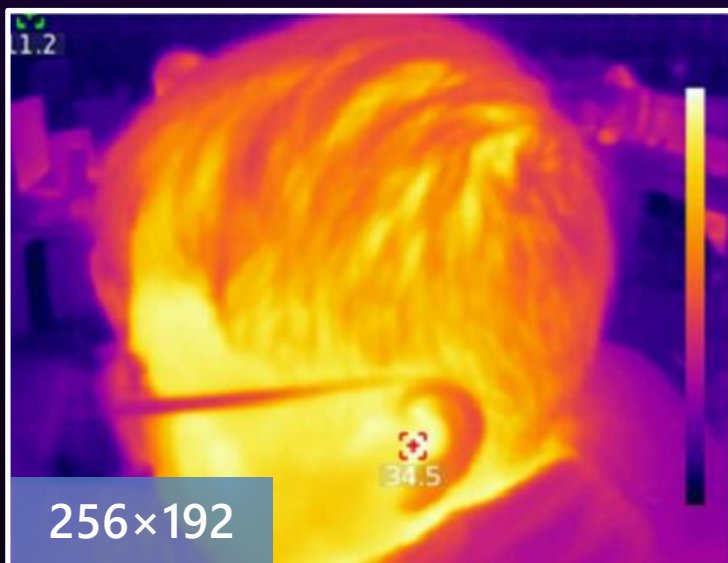
Rotate the focusing ring to make the image clear. No fearless of measurement distance.

Hand Strap



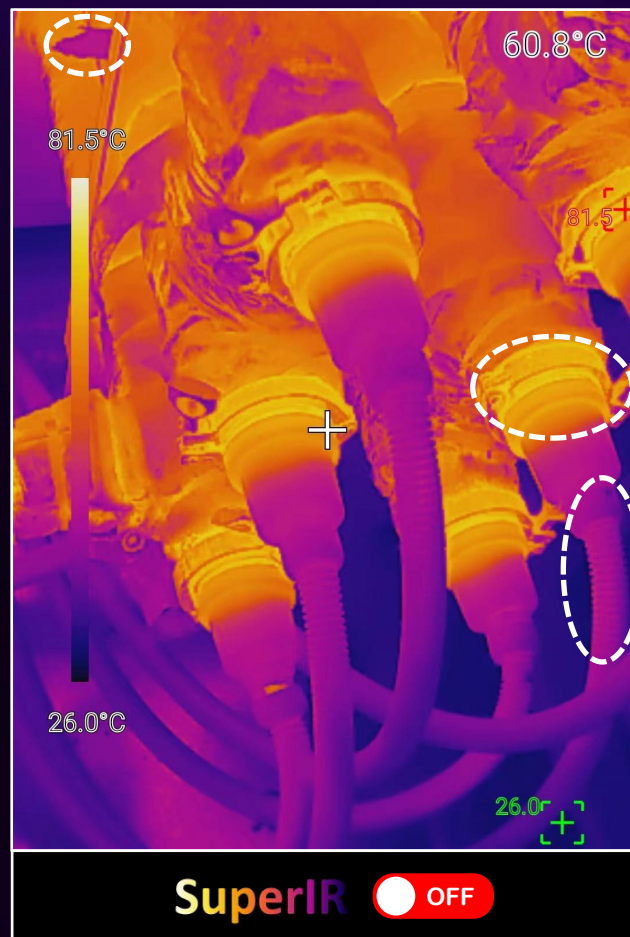
Hand strap design is added to prevent the device from dropping down by accident.

IR Resolution



The greater the IR resolution, the clearer the images.

Super Resolution



120,000 pixels

4x



480,000 pixels

Connect APP



Get it from

Plug & play with "Thermal Mobile" APP



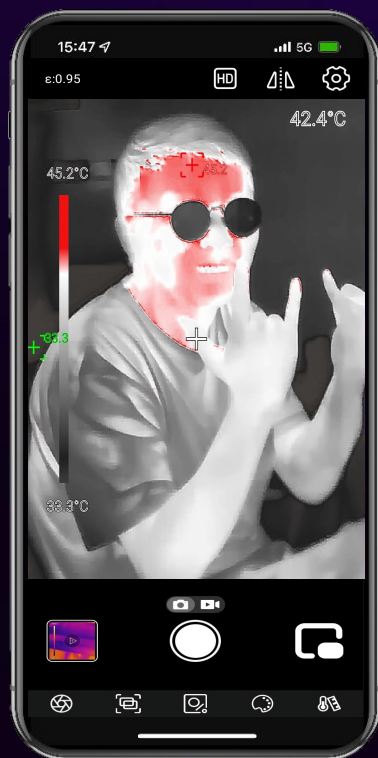
Compatibility Requires

Android M and above operating system

Type-C interface

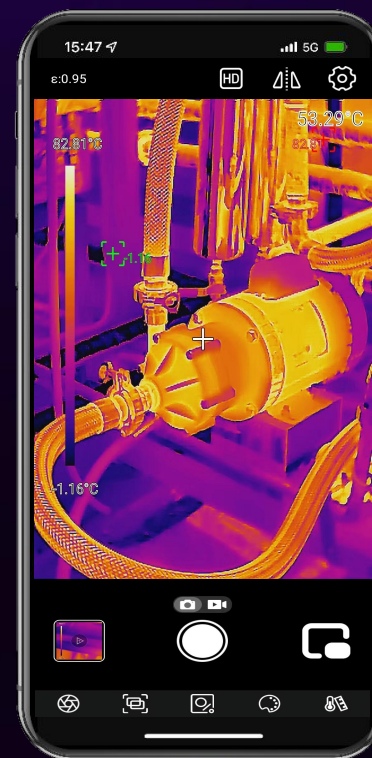
OTG is enabled

Measurement Modes



EST Screening Mode: 20°C~50°C

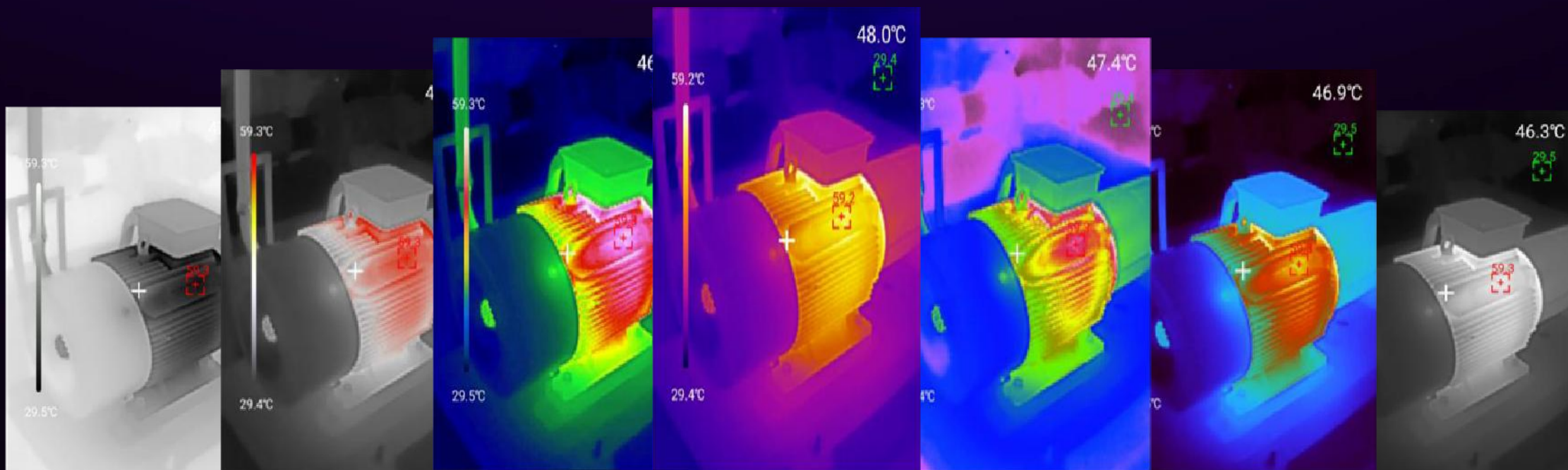
Accuracy: $\pm 0.5^{\circ}\text{C}$



Industrial Mode: -20°C~550°C

Accuracy: $\pm 2^{\circ}\text{C}/\pm 2\%$ whichever is greater

Color Palettes



❑ Black Hot

❑ Red Hot

❑ Rainbow

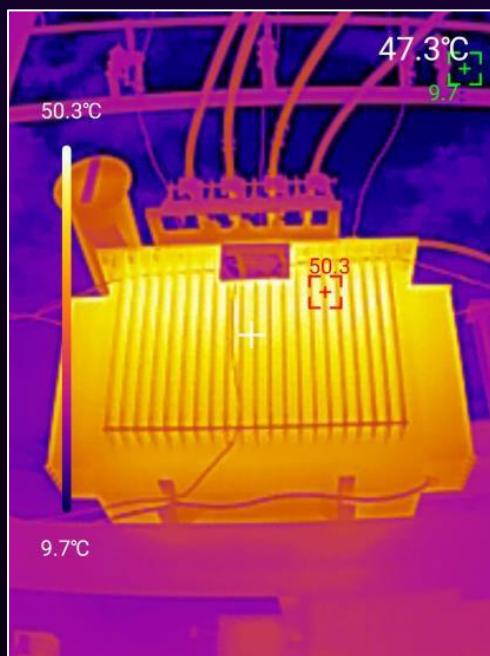
❑ Ironbow

❑ Rainbow HC

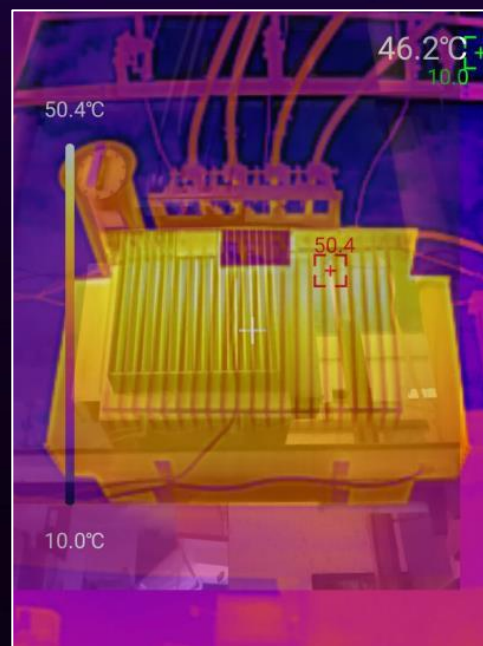
❑ Lava

❑ White Hot

Image Modes



□ Thermal



□ Fusion



□ PIP

Isotherm

UTi740M provides 5 types of isotherm modes (**Auto/Below/Above/Section/Manual**).

With the helps of isotherm function, users can focus on the interested temperature range.



□ Auto



□ Manual

On Screen Analyzer

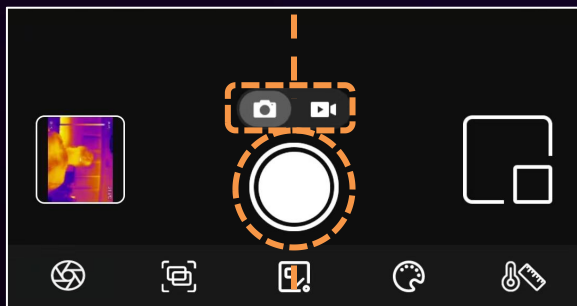


5 Points/1 Line/3 Rectangles/3 Circles
can be added for analysis

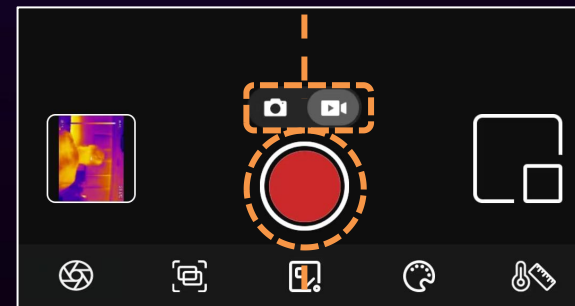
Temperature data of added analysis graphics

Camera Modes

Switch camera mode by tapping the corresponding icon

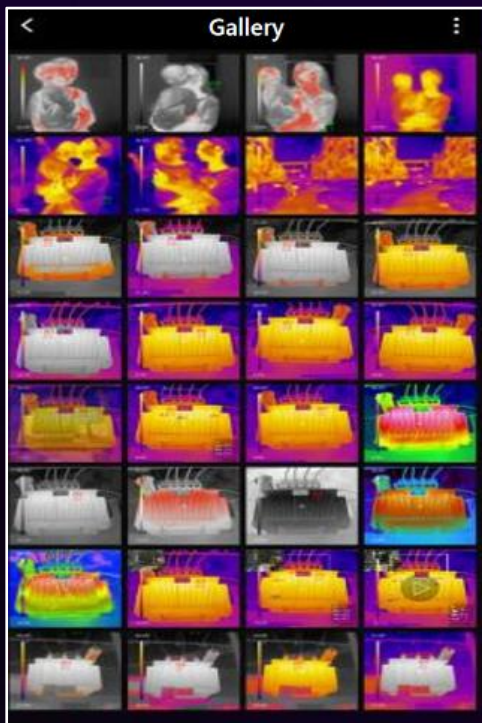


□ Photo Capturing



□ Video Recording

Gallery



Rotate

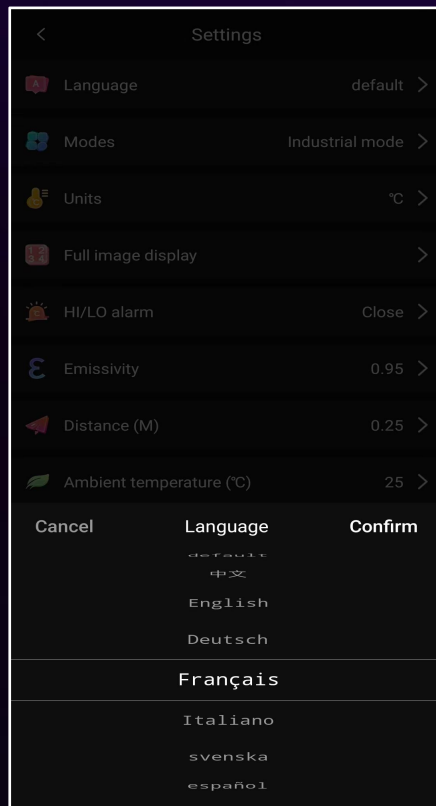
On screen
analyzer

Brush

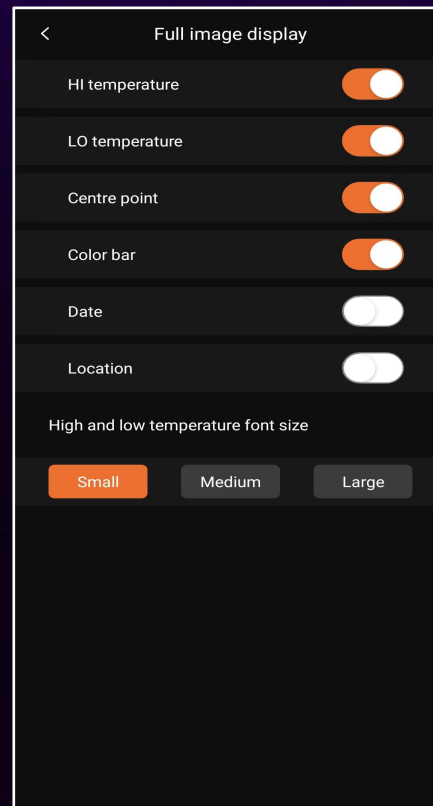
Isotherm

Supports to **view, edit and share** the photos & videos stored on the APP local.

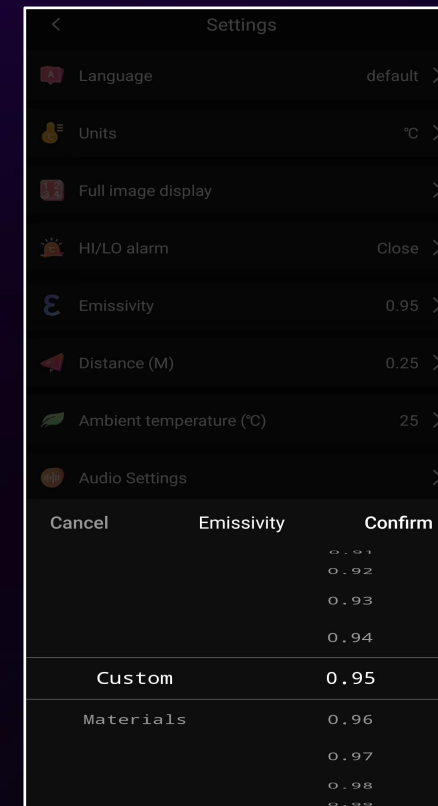
Parameters Settings



❑ Multi-languages



❑ On screen display



❑ Emissivity

Competitors

Model No.	UTi740M	Hik Mini3	Iray T3Pro	HTi HT-301	CEM T20
Product ID					
Temp. measurement range	-20°C~550°C	-20°C~650°C	-20°C~400°C	-20°C~400°C	-10°C~330°C
IR resolution	400×300	384×288	384×288	384×288	320×240
SuperIR	√	X	X	X	X
Frame rate / NETD	25Hz / 45mK	25/50Hz / 35mK	25Hz / 50mK	25Hz / 60mK	9Hz / -
Accuracy	±2°C / ±2%	±2°C / ±2%	±2°C / ±2%	±3°C / ±3%	—
Lens focal length	9.5mm	10mm	13mm	13mm	—
Focus mode	Manual focus	Manual focus	Manual focus	Manual focus	Manual focus
Measurement modes	Industrial & EST screening	Industrial	Industrial & EST screening	Industrial	Industrial
Hi/Lo temp. tracking / alarm	√	√	√	√	√
On screen analyzer	√	√	√	X	√
Photo capturing / video recording	√	√	√	√	√
USB interface	Type-C	Type-C	Type-C	Type-C	Type-C & Micro USB
Smartphone OS	Android	Android	Android	Android	Android

Specifications

Technical Data	
IR resolution(Pixels)	400×300
Super resolution	√ (800×600)
Frame rate	25Hz
Thermal sensitivity(NETD)	≤45mK @25°C
Focus	Manual Focus
Lens focal length	9.5mm
Field of view(FOV)	29°(H) × 21.5°(V)
Spatial resolution(IFOV)	1.26mrad
Focusing distance	1m (Optimum)
Measurement modes	Industrial & EST screening
Temperature measurement range	-20°C~550°C
Accuracy	Industry: ±2°C or ±2% whichever is greater (-10°C~550°C) EST: ±0.5°C (20°C~50°C)
Functions	
Color palettes	Ironbow, White Hot, Black Hot, Red Hot, Lava, Rainbow, Rainbow HC
On screen analyzer	5 Points/1 Lines/3 Rectangles/3 Circles
Isotherm	Auto/Below/Above/Section/Manual
Hi/Lo temperature alarm	LCD animation & Buzzer
Hi/Lo temperature tracking	√
Video recording	√
General Characteristics	
USB	Type-C
Image storage format	JPG
Video storage format	MP4
Certificates	CE, FCC, RoHS
Languages	ZH, EN, FR, DE, IT, ES, SV, PL, CZ

Packaging Details

Standard carton size	Standard carton G.W.	Standard Qty per carton	Certificates	FOB	MSRP
515mm×315mm×335mm	7.2kg	20pcs	CE, FCC, RoHS	TBD	TBD

Standard Accessories:

- ☐ Type-C Extension Cable
- ☐ Hand Strap
- ☐ Cleaning Cloth
- ☐ Cloth Bag
- ☐ Quick Start Guide
- ☐ Documents Download Operation Guide