

**UNI-T®**

# THERMAL CAMERAS 2025



# ► MILESTONES

2023



Branch in U.S. becomes operational.

2021



Manufacturing base in Heyuan becomes operational.

2012



Uni-Trend moved its headquarters to Songshan Lake Industrial Park.

2003



Moved to Humen to start diversified product line development.

2023



Temperature calibration and testing laboratory in Germany.

2022



Branch in Germany becomes operational.

2021



Uni-Trend becomes publicly traded on Shanghai Stock. Exchange with stock code: 688628

2007



Opened the second R&D center in Chengdu for instruments.

1988



Company founded in Shenzhen.



37 Years

289 R&D employees

476 Patents

100,000m<sup>2</sup> Manufacturing Base

## ABOUT US

Uni-Trend Technology (China) Co., Ltd. is one of the well-known test and measurement solutions provider in Asia. Uni-Trend is an ISO9001 and ISO14001 certified company, with T&M products meeting certifications including CE, ETL, UL, GS, etc.

With R&D centers in Chengdu and Dongguan, Uni-Trend is capable of manufacturing innovative, reliable, safe to use, and user friendly T&M products. Uni-Trend has established collaborations with partners in over 80 countries for product distribution and services. With products meeting industry standards, Uni-Trend is able to fully satisfy product demands from around the world.

From 2022 to 2024, Uni-Trend established subsidiaries in Munich, Germany and Washington State, the United States respectively. It is committed to building an efficient customer service system and regional coverage, providing users with highly timely technical support and comprehensive product solutions. It provides an effective channel for the development of overseas business and accelerates the promotion of the company's international strategic business goals.

By constantly improving product technology and quality standards, Uni-Trend is able to stay competitive in the ever-changing global market. At Uni-Trend, our solid foundation allows us to maintain and strengthen our corporate culture, bringing high-quality, secure, and cost-effective products to global users. We are always seeking new paths and cooperation opportunities with partners around the world. Uni-Trend seeks to become a global T&M solutions provider one day.



# ▶ NEW PRODUCTS

## Handheld Thermal Camera



### UTi740M

- 400×300 pixels
- Manual Focus
- T-Mix fusion & super resolution



### UTi716S

- 2MP digital camera
- T-Mix fusion & super resolution
- Temperature measurement range up to 550C



### UTi165B Max/UTi260B Max

- Wi-Fi connection
- Video recording
- T-Mix fusion & super resolution



### UTi384J/UTi640J

- Interchangeable lens
- Multiple focus modes
- Temperature measurement range up to 2000C



### UTi641C/UTi1020C/UTi1280C

- 5" Touch screen
- Dual-light video recording
- Temperature measurement range up to 2500C



### UT568B

- 138 MEMS digital microphone
- Measurement distance up to 150m
- Gas leakage & partial discharge detection

## On-line Thermographic Camera



### UTi591A

- Remote access data
- T-Mix fusion & super resolution
- Multiple installing methods
- Support multiple networking standard & protocol



### UTi586A/UTi587A

- Interchangeable lens
- OTA update
- Web-based control
- Multiple installing methods
- Temperature measurement range up to 2000C

## Thermal Monocular



### UTx313MR/UTx318MR/UTx325MR

- Compact design
- Featuring LRF function
- High performance infrared detector

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## *Thermal Monoculars*

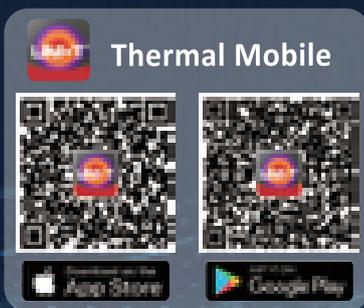
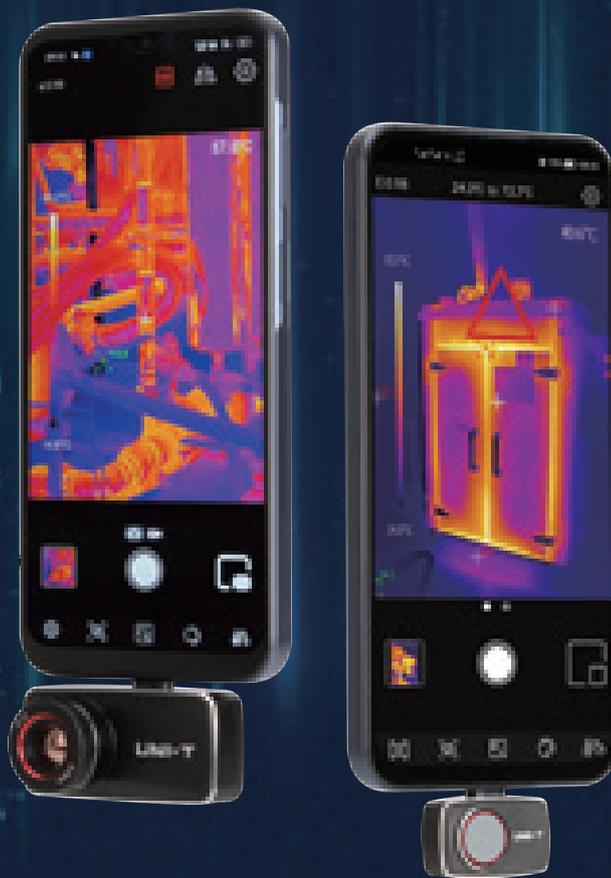
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# Smartphone Thermal Cameras

Smartphone thermal cameras are small sized and lightweight in design, converting mobile devices into professional thermal cameras. A user-friendly mobile APP is also included for photo viewing, download and analysis.



UTi120M



UTi120MS



UTi720M



UTi721M



UTi722M



UTi740M

# UTi120M/UTi120MS

## Smartphone Thermal Camera



Compact design



Lightning



25Hz

Frame rate



120  
x  
90

IR resolution



Super resolution



On screen  
analyzer



Video recording



APP

Mobile APP



### Wide Field of View

50°(H) × 38°(V)

### Wide Temperature Range



-20°C



400°C

### Android & iOS



### Multiple Connection Modes



1. Extension Cable Connection



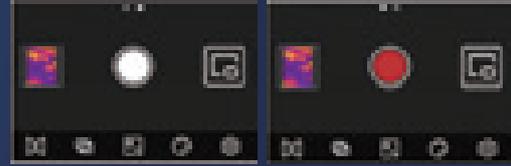
2. Conversion Adapter Connection



3. Plug in Directly

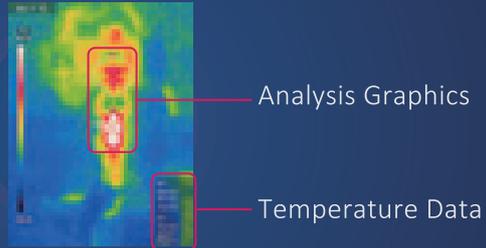
## Camera Mode

Slide the white dots above camera button left or right to switch between photo capturing and video recording modes.



## On Screen Analyzer

Support to add custom analysis graphics for temperature data monitoring & comparison.



## Specifications

Model No.	UTi120M	UTi120MS
Product Photo		
<b>Technical Data</b>		
IR resolution(Pixels)	120×90	
Super resolution	240×180	
Pixel size	17μm	
Frame rate	≤25Hz	
Thermal sensitivity(NETD)	≤60mK @25°C	
Focus	Focus Free	
Field of view(FOV)	50°(H) × 38°(V)	
Measurement mode	Industrial	
Temperature measurement range	-20°C~400°C	
Accuracy	±2°C or ±2% whichever is greater	
<b>Functions</b>		
Color palette	Ironbow, White Hot, Black Hot, Red Hot, Lava, Rainbow, Rainbow HC	
On screen analyzer	6 Points/6 Lines/6 Rectangles/6 Circles	
HI/LO temperature alarm	LCD animation	
HI/LO temperature tracking	√	
Video recording	√	
<b>General Characteristics</b>		
USB	Type-C	Lightning
Image/video storage format	JPEG/MP4	
Certificates	CE, UKCA, FCC, RoHS	MFi, CE, UKCA, FCC, RoHS
Languages	ZH, EN	
Product net weight	25g	
Product size	53mm×18.2mm×18.5mm	
<b>Packing Details</b>		
Standard accessories	Micro USB adapter, Type-C extension cable, English Manual, Documents Download Operation Guide	English Manual, Documents Download Operation Guide
Standard individual packing	Gift Box	
Standard Qty per carton	20pcs	
Standard carton size	290mm×265mm×325mm	
Standard carton G.W.	4.8kg	3.9kg

# UTi720M/UTi721M

## Smartphone Thermal Camera



Compact design



Multi-languages



Frame rate



IR resolution



Flexible isotherm



On screen analyzer



Video recording

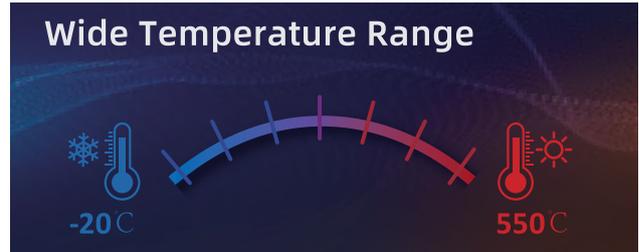


Mobile APP

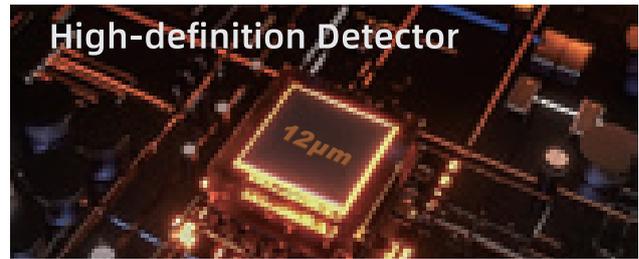
### Multi-language OS



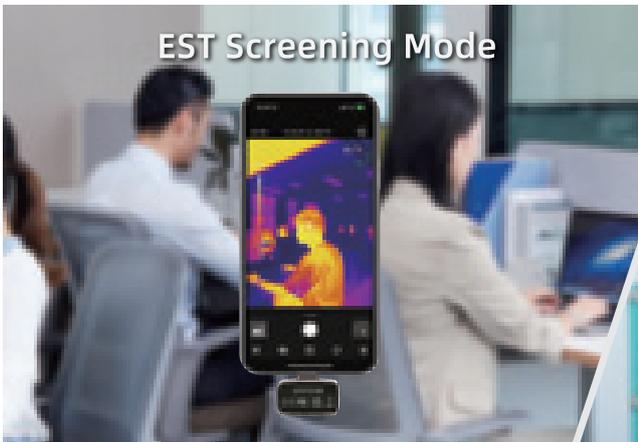
### Wide Temperature Range



### High-definition Detector



### EST Screening Mode

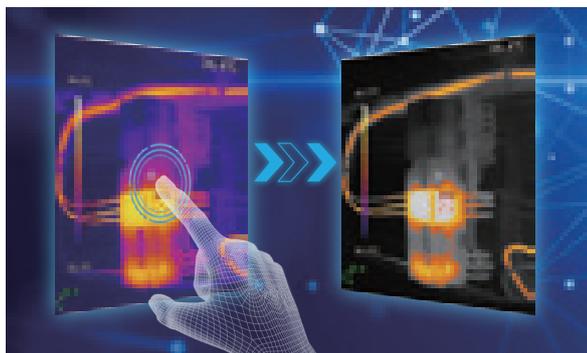


### Industrial Mode



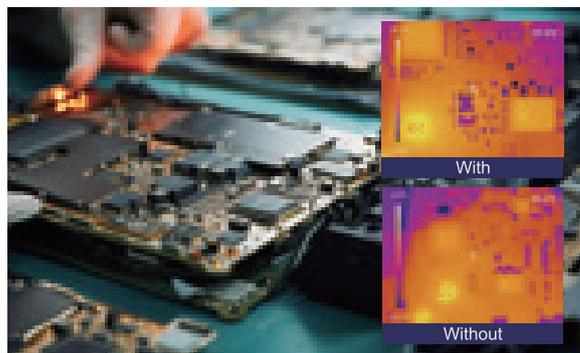
## Isotherm

One-tap to switch isotherm modes to highlight the potential problems.



## Marco Mode

Marco Lens Model No.: **UT-Z005**  
Optimal Distance: **40mm**



## Specifications

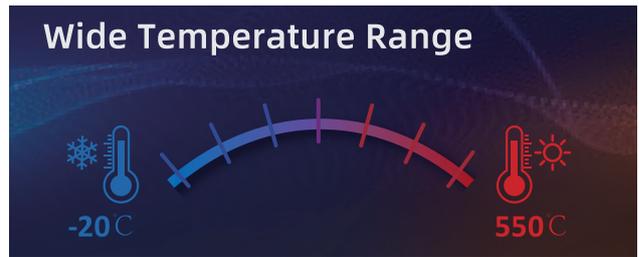
Model No.	UTi720M	UTi721M
Product Photo		
<b>Technical Data</b>		
IR resolution(Pixels)	256×192	
Pixel size	12μm	
Frame rate	≤25Hz	
Thermal sensitivity(NETD)	≤50mK @25°C	
Focus	Focus Free	
Field of view(FOV)	56°(H) × 42.2°(V)	
Measurement mode	Industrial	Industrial & EST screening
Temperature measurement range	-20°C~200°C	-20°C~550°C
Accuracy	±2°C or ±2% whichever is greater	Industrial: ±2° or ±2% whichever is greater (0°C~550°C) EST screening: ±0.5° (30°C~40°C)
<b>Functions</b>		
Color palette	Ironbow, White Hot, Black Hot, Red Hot, Lava, Rainbow, Rainbow HC	
On screen analyzer	3 Points/3 Lines/3 Rectangles	
HI/LO temperature alarm	LCD animation & Buzzer	
HI/LO temperature tracking	√	
Video recording	√	
Isotherm	Auto/Below/Above/Section/Manual	
<b>General Characteristics</b>		
USB	Type-C	
Image/video storage format	JPEG/MP4	
Certificates	CE, UKCA, FCC, RoHS	
Languages	ZH, EN, FR, DE, IT, ES, SV	
Product net weight	13g	
Product size	33mm×28.2mm×11.3mm	
<b>Packing Details</b>		
Standard accessories	Type-C extension cable, English Manual, Documents Download Operation Guide	
Standard individual packing	Gift Box	
Standard Qty per carton	20pcs	
Standard carton size	290mm×265mm×325mm	
Standard carton G.W.	4.4kg	

# UTi722M/UTi740M

## Smartphone Thermal Camera



-  Compact design
-  Manual focus
-  Multi-languages
-  IR resolution
-  Super resolution
-  T-Mix fusion
-  Video recording
-  Mobile APP



Inject the visible light details into thermal images without decreasing the transparency and weakening the quality.



**VS**



## Manual Focus

Features an adjustable lens, rotate the focusing ring manually until the imaging gets clear, no fearless of different measurement distance.



## Super Resolution

Tap "HD" icon on the APP to obtain an image with 4x increase in quality.



## Specifications

Model No.	UTi722M	UTi740M
Product Photo		
<b>Technical Data</b>		
IR resolution(Pixels)	256×192	400×300
Super resolution	—	√(800×600)
Pixel size	12μm	
Frame rate	≤25Hz	
Thermal sensitivity(NETD)	≤50mK @25°C	≤45mK @25°C
Focus	Manual Focus	
Field of view(FOV)	44.92°(H) × 33.42°(V)	29°(H) × 21.5°(V)
Measurement mode	Industrial & EST screening	
Temperature measurement range	-20°C~450°C	-20°C~550°C
Accuracy	Industrial: ±2° or ±2% whichever is greater (0°C~450°C) EST screening: ±0.5° (30°C~40°C)	Industrial: ±2° or ±2% whichever is greater (-10°C~550°C) EST screening: ±0.5° (20°C~50°C)
<b>Functions</b>		
On screen analyzer	3 Points/3 Lines/3 Rectangles	5 Points/1 Lines/3 Rectangles/3 Circles
HI/LO temperature alarm	LCD animation & Buzzer	
HI/LO temperature tracking	√	
Video recording	√	
Isotherm	Auto/Below/Above/Section/Manual	
<b>General Characteristics</b>		
USB	Type-C	
Image/video storage format	JPEG/MP4	
Certificates	CE, UKCA, FCC, RoHS	CE, FCC, RoHS
Languages	ZH, EN, FR, DE, IT, ES, SV	ZH, EN, FR, DE, IT, ES, SV, PL, CZ
Product net weight	30g	46g
Product size	29.5mm×24.5mm×29.5mm	58mm×27mm×28.6mm
<b>Packing Details</b>		
Standard accessories	Type-C extension cable, Hand Strap, Cleaning Cloth, Cloth Bag, English manual, Documents Download Operation Guide	Type-C extension cable, Hand Strap, Cleaning Cloth, Cloth Bag, Quick Start Guide, Documents Download Operation Guide
Standard individual packing	Gift Box	
Standard Qty per carton	20pcs	
Standard carton size	515mm×315mm×335mm	
Standard carton G.W.	6.8kg	7.2kg

# *Handheld Thermal Cameras*

Handheld thermal cameras are designed for a variety of industrial applications. These ergonomically designed products can minimize fatigue when using for long periods of time. This series uses high-performance Vox infrared detectors, allowing wide temperature measurement range and accurate data, suitable for professional analysis work.



# Portable Thermal Camera



UTI120P



UTI120T



UTI720T

Models	UTI120P	UTI120T	UTI720T
<b>Technical Data</b>			
Display	2.4" TFT (320×240)	3.5" TFT Touch (320×240)	3.5" TFT Touch (640×480)
IR resolution(Pixels)	120×90	120×90	256×192
Pixel size	17μm	17μm	12μm
Frame rate	≤25Hz	≤25Hz	≤25Hz
Thermal sensitivity(NETD)	≤60mK	≤60mK	≤50mK
Focus	Focus Free	Focus Free	Focus Free
Field of view(FOV)	50°(H) × 38°(V)	50°(H) × 38°(V)	56°(H) × 42°(V)
Temperature measurement range	-20 C~400 C	-20 C~400 C	-20 C~550 C
Accuracy	±2 C or ±2% whichever is greater	≥0 C, ±2 C or ±2% whichever is greater <0 C, ±5 C or ±5% whichever is greater	±2 C or ±2% whichever is greater
<b>Functions</b>			
Image mode	Thermal	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, T-Mix fusion, PIP
On screen analyzer	—	1 Point/1 Rectangle	5 Points/1 Line/3 Rectangles/3 Circles
Isotherm	—	Auto/Manual	Auto/Manual/Above/Below/Section/Ratio
HI/LO temperature alarm	LCD animation	LCD animation & LED flashlight	LCD animation & LED flashlight
HI/LO temperature tracking	√	√	√
Digital camera resolution	—	640×480	2MP
Video recording	—	—	√
Digital zoom	—	1.0~8× continuous	1.0~8× continuous
Wi-Fi/Wi-Fi live streaming	—	√/—	√
Smart meter	—	—	√
LED lighting	—	√	√
NFC	—	—	√
Analysis software	PC	PC+APP	PC+APP
<b>General Characteristics</b>			
Battery	1350mAh Rechargeable Li-ion battery	1800mAh Rechargeable Li-ion battery	1800mAh Rechargeable Li-ion battery
Operating time	≥3.5 hours	≥2 hours (with Wi-Fi off)	≥2 hours (with Wi-Fi off)
USB	Micro USB	Type-C	Type-C
Storage	32GB Micro SD card	Built-in 4GB	Built-in 12GB
Image storage format	BMP	JPG	JPG
Video storage format	—	—	AVI
Protection	1m drop proof	IP54 & 1m drop proof	IP54 & 1m drop proof
Certificates	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS
Languages	ZH,EN	ZH,EN	EN, FR, DE, ES, IT, SV, PL, CZ
Weight	125g	213g	213g
Dimension	76mm×76mm×24mm	133.05mm×85.4mm×24.1mm	133.05mm×85.4mm×24.1mm
<b>Packing Details</b>			
Standard accessories	Micro USB cable, Micro SD card, Hand Strap, Cloth Bag, English Manual	Type-C USB cable, Hand Strap, Cloth Bag, English Manual, Documents Download Operation Guide	Type-C USB cable, Hand Strap, Cloth Bag, Quick Start Guide, Documents Download Operation Guide
Standard individual packing	Gift box	Gift box	Gift box
Standard Qty per carton	5pcs	5pcs	5pcs
Standard carton size	455mm×145mm×150mm	370mm×250mm×170mm	370mm×250mm×170mm
Standard carton G.W.	2.2kg	3.6kg	3.6kg

# Heavy Duty Thermal Camera



UTi712S



UTi716S

**Models**

Technical Data		
Display	2.4" TFT (320×240)	2.4" TFT (320×240)
IR resolution(Pixels)	120×90	160×120
Super resolution(Pixels)	—	√ (320×240)
Pixel size	17μm	12μm
Frame rate	≤25Hz	≤25Hz
Thermal sensitivity(NETD)	≤60mK	≤50mK
Focus	Focus Free	Focus Free
Field of view(FOV)	50°(H) × 38°(V)	40°(H) × 30°(V)
Temperature measurement range	-20 C~400 C	-20 C~550 C
Accuracy	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater
Functions		
Image mode	Thermal	Thermal, Visual image, T-Mix fusion, PIP
Temperature compensation	√	—
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer	LCD animation, LED flashlight, Buzzer
HI/LO temperature tracking	√	√
Digital camera resolution	—	2MP
Laser pointer/LED lighting	√	√
Analysis software	PC	PC
General Characteristics		
Battery	2600mAh rechargeable Li-ion battery	2600mAh rechargeable Li-ion battery
Operating time	≥8 hours	≥6 hours
USB	Type-C	Type-C
Storage	32GB Micro SD card	Built-in 32GB
Image storage format	BMP	JPG
Protection	IP54 & 2m drop proof	IP54 & 2m drop proof
Certificates	CE, UKCA, FCC, RoHS	CE, FCC, RoHS
Languages	EN, FR, DE, ES, RU	EN, FR, DE, ES, IT, SV, PL, CZ
Weight	316g	326g
Dimension	197mm×72mm×60mm	197mm×72mm×60mm

# Heavy Duty Thermal Camera



UTi85A



UTi165A



UTi165A+



UTi720A

**Models**

Technical Data				
Display	2.8" TFT (320×240)	2.8" TFT (320×240)	2.8" TFT (320×240)	2.8" TFT (320×240)
IR resolution(Pixels)	80×60	160×120	160×120	256×192
Pixel size	17μm	12μm	12μm	12μm
Frame rate	≤9Hz	≤9Hz	≤9Hz	≤25Hz
Thermal sensitivity(NETD)	≤150mK	≤50mk	≤50mk	≤50mK
Focus	Focus Free	Focus Free	Focus Free	Focus Free
Field of view(FOV)	51°(H) × 38°(V)	56°(H) × 42°(V)	56°(H) × 42°(V)	56°(H) × 42.2°(V)
Temperature measurement range	-10℃~400℃	-10℃~400℃	-10℃~400℃	-20℃~400℃
Accuracy	±2℃ or ±2% whichever is greater	±2℃ or ±2% whichever is greater	±2℃ or ±2% whichever is greater	±2℃ or ±2% whichever is greater
Functions				
Image mode	Thermal	Thermal	Thermal, Visual image, Fusion	Thermal
On screen analyzer	—	—	3 Points	3 Points
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer	LCD animation & LED flashlight	LCD animation & LED flashlight	LCD animation & LED flashlight
HI/LO temperature tracking	√	√	√	√
Digital camera resolution	—	—	640×480	—
LED lighting	√	√	√	√
Analysis software	PC	PC	PC	PC
General Characteristics				
Battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery
Operating time	≥6 hours	≥6 hours	≥7 hours	≥7 hours
USB	Type-C	Type-C	Type-C	Type-C
Storage	32GB Micro SD card	32GB Micro SD card	32GB Micro SD card	32GB Micro SD card
Image storage format	BMP	BMP	BMP	BMP
Protection	IP65 & 2m drop proof	IP65 & 2m drop proof	IP65 & 2m drop proof	IP65 & 2m drop proof
Certificates	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS
Languages	ZH, EN, FR, DE, IT, ES_US, ES_EU, PT_EU	ZH, EN	ZH, EN	EN, FR, DE, IT, ES, SV
Weight	490g	490g	490g	490g
Dimension	236mm×75.5mm×86mm	236mm×75.5mm×86mm	236mm×75.5mm×86mm	236mm×75.5mm×86mm

# Heavy Duty Thermal Camera



UTI120B



UTI165B Max



UTI220B



UTI260B



UTI260B Max

Technical Data					
Display	2.8" TFT (320×240)	2.8" TFT (320×240)	2.8" TFT (320×240)	2.8" TFT (320×240)	2.8" TFT (320×240)
IR resolution(Pixels)	120×90	160×120	200×150	256×192	256×192
Super resolution(Pixels)	—	√(320×240)	—	—	√(512×384)
Pixel size	17μm	12μm	12μm	12μm	12μm
Frame rate	≤25Hz	≤25Hz	≤9Hz	≤25Hz	≤25Hz
Thermal sensitivity(NETD)	≤60mK	≤50mK	≤100mk	≤60mK	≤50mK
Focus	Focus Free	Focus Free	Focus Free	Focus Free	Focus Free
Field of view(FOV)	50°(H) × 38°(V)	50°(H) × 38°(V)	35°(H) × 26°(V)	56°(H) × 42°(V)	56°(H) × 42°(V)
Temperature measurement range	-20 C~400 C	-20 C~550 C	-10 C~400 C	-20 C~550 C	-20 C~550 C
Accuracy	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater
Functions					
Image mode	Thermal, Visual image, Fusion	Thermal, Visual image, T-Mix fusion, PIP	Thermal, Visual image, Fusion	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, T-Mix fusion, PIP
On screen analyzer	—	5 Points/3 Rectangles	3 Points	3 Points	5 Points/3 Rectangles
HI/LI temperature alarm	LCD animation, LED flashlight, Buzzer	LCD animation, LED flashlight, Buzzer	LCD animation, LED flashlight, Buzzer	LCD animation & LED flashlight	LCD animation, LED flashlight, Buzzer
HI/LO temperature tracking	√	√	√	√	√
Digital camera resolution	640×480	2MP	640×480	640×480	2MP
Video recording	—	√	—	—	√
Wi-Fi/Wi-Fi live streaming	—	√	—	—	√
LED lighting	√	√	√	√	√
Analysis software	PC	PC+APP	PC	PC	PC+APP
General Characteristics					
Battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery	5000mAh rechargeable Li-ion battery
Operating time	≥6 hours	≥8 hours	≥6 hours	≥6 hours	≥7 hours
USB	Type-C	Type-C	Type-C	Type-C	Type-C
Storage	32GB Micro SD card	Built-in 16GB	32GB Micro SD card	32GB Micro SD card	Built-in 32GB
Image/video storage format	BMP	JPG/MP4	BMP	BMP	JPG/MP4
Protection	IP65 & 2m drop proof	IP65 & 2m drop proof	IP65 & 2m drop proof	IP65 & 2m drop proof	IP65 & 2m drop proof
Certificates	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS
Languages	ZH, EN	ZH, EN	ZH, EN	ZH, EN	EN, FR, DE, IT, ES, SV, PL, CZ
Weight	490g	600g	490g	490g	600g
Dimension	236mm×75.5mm×86mm	236mm×75.5mm×86mm	236mm×75.5mm×86mm	236mm×75.5mm×86mm	236mm×75.5mm×86mm

# Enhanced Thermal Camera



UTi32



UTi720E



UTi730E



UTi720V



UTi730V

Models	UTi32	UTi720E	UTi730E	UTi720V	UTi730V
<b>Technical Data</b>					
Display	2.4"IPS (320×240)	3.5" IPS (640×480)	3.5" IPS (640×480)	3.5" IPS Touch (640×480)	3.5" IPS Touch (640×480)
IR resolution(Pixels)	32×32	256×192	320×240	256×192	320×240
Pixel size	17μm	12μm	12μm	12μm	12μm
Frame rate	≤9Hz	≤25Hz	≤9Hz	≤25Hz	≤9Hz
Thermal sensitivity(NETD)	≤150mK	≤50mK	≤65mK	≤50mK	≤65mK
Focus	Focus Free	Focus Free	Focus Free	Focus Free	Focus Free
Field of view(FOV)	30°(H) × 30°(V)	56°(H) × 42.2°(V)	56°(H) × 42.2°(V)	56°(H) × 42.2°(V)	56°(H) × 42.2°(V)
Temperature measurement range	-20 C~1000 C	-20 C~550 C	-40 C~400 C	-20 C~550 C	-40 C~400 C
Accuracy	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater	±2 C or ±2% whichever is greater
<b>Functions</b>					
Image mode	Thermal, Visual image, Fusion	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, T-Mix fusion, PIP	Thermal, Visual image, T-Mix fusion, PIP
On screen analyzer	—	5 Points/1 Line /3 Rectangles/3 Circles	5 Points/1 Line /3 Rectangles/3 Circles	5 Points/1 Line /3 Rectangles/3 Circles	5 Points/1 Line /3 Rectangles/3 Circles
Isotherm	—	Auto/Ratio/Below /Above/Section/Manual	Auto/Ratio/Below /Above/Section/Manual	Auto/Manual	Auto/Manual
HI/LO temperature alarm	LCD animation & LED flashlight	LCD animation & LED flashlight	LCD animation & LED flashlight	LCD animation & LED flashlight	LCD animation, LED flashlight, Buzzer
HI/LO temperature tracking	√	√	√	√	√
Digital camera resolution	300,000 pixels	2MP	2MP	5MP	5MP
Digital zoom	—	2x, 4x	2x, 4x	2x, 4x	2x, 4x
Video/voice recording	—	—	—	√	√
Wi-Fi/Wi-Fi live streaming	—	√/—	√/—	√	√
Laser pointer/LRF	—	—	—	√	√
LED lighting	√	√	√	√	√
Analysis software	—	PC+APP	PC+APP	PC+APP	PC+APP
<b>General Characteristics</b>					
Battery	2600mAh rechargeable Li-ion battery	5200mAh rechargeable Li-ion battery	5200mAh rechargeable Li-ion battery	5200mAh rechargeable Li-ion battery	5200mAh rechargeable Li-ion battery
Operating time	≥7 hours	≥3 hours (with Wi-Fi off)	≥3 hours (with Wi-Fi off)	≥4 hours (with Wi-Fi off)	≥4 hours (with Wi-Fi off)
USB	Type-C	Type-C	Type-C	Type-C	Type-C
Storage	16G Mirco SD card	32GB Micro SD card	32GB Micro SD card	32GB Micro SD card	32GB Micro SD card
Image/video storage format	BMP	JPG	JPG	JPG/AVI	JPG/AVI
Protection	—	IP54 & 2m drop proof	IP54 & 2m drop proof	IP54 & 2m drop proof	IP54 & 2m drop proof
Certificates	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS
Languages	ZH,EN	EN, FR, DE, ES, RU	EN, FR, DE, ES, RU	EN, FR, DE, IT, ES, SV, PL, CZ	EN, FR, DE, IT, ES, SV, PL, CZ
Weight	303.7g	654g	654g	654g	654g
Dimension	205mm×124mm×65mm	260mm×97mm×99mm	260mm×97mm×99mm	260mm×97mm×99mm	260mm×97mm×99mm
<b>General Characteristics</b>					
Standard accessories	Type-C USB cable, SD card, English Manual, Documents Download Operation Guide	Type-C USB cable, Micro SD card, Li-ion battery pack, English Manual, Documents Download Operation Guide	Type-C USB cable, Micro SD card, Li-ion battery pack, English Manual, Documents Download Operation Guide	Type-C USB cable, Micro SD card, Li-ion battery pack×2, Quick Start Guide, Documents Download Operation Guide	Type-C USB cable, Micro SD card, Li-ion battery pack×2, Quick Start Guide, Documents Download Operation Guide
Standard individual packing	Gift box	Toolbox & Gift box	Toolbox & Gift box	Toolbox & Gift box	Toolbox & Gift box
Standard Qty per carton	5pcs	1pcs	1pcs	1pcs	1pcs
Standard carton size	500mm×275mm×190mm	400mm×185mm×345mm	400mm×185mm×345mm	400mm×185mm×345mm	400mm×185mm×345mm
Standard carton G.W.	3.4kg	3.7kg	3.7kg	4kg	4kg

# Enhanced Thermal Camera



UTi256G



UTi384G



UTi740H



UTi384J



UTi640J

Technical Data					
Display	3.5" IPS Touch (640×480)	3.5" IPS Touch (640×480)	4.3" IPS (800×480)	4.3" LCD Touch (800×480)	4.3" LCD Touch (800×480)
IR resolution(Pixels)	256×192	384×288	384×288	384×288	640×480
Super resolution(Pixels)	—	—	—	√(768×576)	√(1280×960)
Pixel size	17μm	17μm	17μm	12μm	12μm
Frame rate	≤30Hz	≤30Hz	≤25Hz	≤30Hz	≤30Hz
Thermal sensitivity(NETD)	≤40mK	≤40mK	≤60mK	≤40mK	≤40mK
Focus	Manual Focus	Manual Focus	Manual Focus	Manual / Automatic / Touch autofocus / Continuous autofocus	Manual / Automatic / Touch autofocus / Continuous autofocus
Field of view(FOV)	50°(H) × 38°(V)	50°(H) × 38°(V)	35°(H) × 26°(V)	56°(H) × 42°(V)	56°(H) × 42°(V)
Temperature measurement range	-20 °C ~550 °C	-20 °C ~550 °C	-30 °C ~ 650 °C	Support auto-switching: -40°C~150°C, 0°C ~650°C 500°C ~2000°C (Optional Hi-temp. Lens)	Support auto-switching: -40°C~150°C, 0°C ~650°C 500°C ~2000°C (Optional Hi-temp. Lens)
Accuracy	±2 °C or ±2% whichever is greater	±2 °C or ±2% whichever is greater	±2 °C or ±2% whichever is greater	±2 °C or ±2% whichever is greater	±2 °C or ±2% whichever is greater
Functions					
Image mode	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, T-Mix fusion, PIP	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, Fusion, PIP
On screen analyzer	3 Points/3 Lines /3 Rectangles/3 Circles	5 Points/5 Lines /5 Rectangles/5 Circles	5 Points/1 Line /5 Rectangles/5 Circles	10 Points/10 Lines /10 Rectangles/10 Circles	16 Points/16 Lines /16 Rectangles/16 Circles
Isotherm	Auto/Manual /Above/Below/Section	Auto/Manual /Above/Below/Section	Auto/Manual	Automatic, Semi-automatic, Manual	Automatic, Semi-automatic, Manual
Level & Span	—	—	—	√	√
Image outline	—	—	—	√	√
Panoramic stitching	—	—	—	√	√
HI/LO temperature alarm	LCD animation	LCD animation	LCD animation	LCD animation, LED flashlight, Buzzer	LCD animation, LED flashlight, Buzzer
HI/LO temperature tracking	√	√	√	√	√
All-round voice assistant	—	—	—	√	√
Annotation	Text & Voice	Text & Voice	—	Text, Voice, Image	Text, Voice, Image
Digital camera resolution	5MP	5MP	5MP	8MP	13MP
Digital zoom	2x, 4x	2x, 4x	2x, 4x	1.1x~10x	1.1x~20x
Video/voice recording	— / √	√	—	√	√
Wi-Fi/Wi-Fi live streaming	√	√	√ / —	√	√
Bluetooth/GPS	√ / —	√ / —	—	√	√
Laser pointer/LRF	—	—	—	√	√
LED lighting	√	√	—	√	√
Analysis software	PC+APP	PC+APP	PC+APP	PC+APP	PC+APP
General Characteristics					
Battery	5200mAh rechargeable Li-ion battery	5200mAh rechargeable Li-ion battery	5200mAh rechargeable Li-ion battery	3350mAh rechargeable Li-ion battery	3350mAh rechargeable Li-ion battery
Operating time	Approx. 5 hours (with Wi-Fi off)	Approx. 5 hours (with Wi-Fi off)	Approx. 5 hours (with Wi-Fi off)	≥5 hours (with Wi-Fi off)	≥4 hours (with Wi-Fi off)
USB	Type-C	Type-C	Type-C	Type-C	Type-C
Storage	Built-in 8GB & 32GB Micro SD card	Built-in 8GB & 32GB Micro SD card	32GB Micro SD card	Built-in 64GB & 64GB Micro SD card	Built-in 64GB & 64GB Micro SD card
Image/video storage format	JPG	JPG/MP4 & IRGD	BMP	JPG/MP4 & IRGD	JPG/MP4 & IRGD
Protection	IP54 & 2m drop proof	IP54 & 2m drop proof	IP54 & 2m drop proof	IP54 & 2m drop proof	IP54 & 2m drop proof
Certificates	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS	CE, UKCA, FCC, RoHS
Languages	EN, FR, DE, IT, ES, SV, PL, CZ, RU, PT, AR, JA, KO	EN, FR, DE, IT, ES, SV, PL, CZ, RU, PT, AR, JA, KO	EN, FR, DE, IT, ES, SV	CN, TC, EN, FR, DE, ES, IT, RU, PL, KR, PT, TR, TH, NO, CZ, HU, JP, AR	CN, TC, EN, FR, DE, ES, IT, RU, PL, KR, PT, TR, TH, NO, CZ, HU, JP, AR
Weight	880g	880g	806g	≤1.15KG (included standard lens & battery)	≤1.15KG (included standard lens & battery)
Dimension	261mm×104mm×97mm	261mm×104mm×97mm	266mm×126.7mm×136mm	292mm×125mm×125mm	292mm×125mm×125mm

# Professional Thermal Camera



UTi641C



UTi1020C



UTi1280C

Models			
<b>Technical Data</b>			
Display	5" LCD Touch (1920×1080)		
Eyepiece	OLED screen, 1920×1080		
IR resolution(Pixels)	640×512	1024×768	1280×1024
Pixel size	12μm		
Frame rate	30Hz		
Thermal sensitivity(NETD)	≤30mK	≤25mK	
Focus	Manual / Automatic / Touch AF / Continuous AF		
Field of view(FOV)	25°(H) × 19°(V)		
Lens recognition	Automatic		
Temperature measurement range	Support auto-switching: -40°C~150°C, 0°C ~650°C 400°C ~2500°C (Optional HI Temp. Lens)	Support auto-switching: -40°C~150°C, 0°C ~800°C 400°C ~2500°C (Optional HI Temp. Lens)	
Accuracy	±1°C or ±1% whichever is greater		
<b>Functions</b>			
Image mode	Thermal, Visual image, Fusion, PIP		
On screen analyzer	30 Points/30 Lines /30 Rectangles/30 Circles	35 Points/35 Lines /35 Rectangles/35 Circles	
Level & Span	Automatic, Semi-automatic, Manual		
Image outline	√		
Panoramic stitching	√		
NFC connection	√		
Customized auxiliary button	√		
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer		
HI/LO temperature tracking	√		
All-round voice assistant	√		
Annotation	√		
Digital camera resolution	8MP+13MP	8MP+16MP	
Digital zoom	1.1x~40x	1.1x~50x	
Video/voice recording	√		
Wi-Fi/Wi-Fi live streaming	√		
Bluetooth	√		
GPS/E-compass	√		
Laser pointer/LRF	√		
LED lighting	√		
Analysis software	PC+APP		
<b>General Characteristics</b>			
Battery	Lithium-ion rechargeable battery		
Operating time	4 hours		
External interface	Type-C, DC (12V) , SD card slot, Micro HDMI, UNC ¼"-20 (Tripod mounting)		
Storage	Built-in (64 GB) and external SD card (128 GB and up to 256 GB)		
Image/video storage format	JPG (with temp info) / MP4 (without temp info) & Irgd (with temp info)		
Protection	IP54		
Weight	1.86kg (with battery)		
Dimension	191mm×171mm×118mm		
<b>General Characteristics</b>			
Standard accessories	Lens front and back cover, Lithium-ion battery (2 pcs), Desktop charger, Power adapter, Adapter plug (5 pcs) , TYPE-C USB cable, Micro HDMI cable, Type C to GE cable, SD card (128 GB) , Wrist strap, Shoulder strap, Carrying case, Safety box, Packaging list, Quick Start Guide, Data download card (analysis software & user manual), Certificate of approval, Factory certificate		
Standard individual packing	Toolbox & Gift box		
Standard Qty per carton	1pcs		

# Portable Series

## Handheld Thermal Cameras



UTi120T/UTi720T

UNI-T Portable series thermal cameras are compact and pocket-sized in design, very convenient for users to carry. They are perfect tools for building & HVAC inspections, facilities maintenance, electrical repair and other troubleshooting applications.

# UTi120T/UTi720T

## Pocket-sized Thermal Camera



Wi-Fi



Easy to carry



Touch screen



NFC



PC analysis software



Waterproof and dustproof



### 3.5" Large Touch Screen



### Compact & Pocket-sized



### Wide Field of View



### Wide Temperature Range

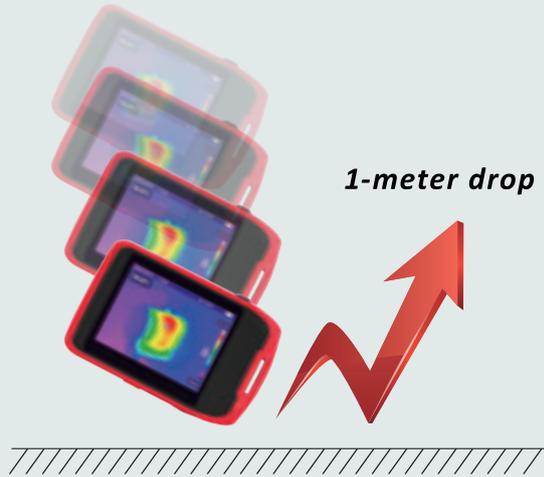


### Frame Rate



## 1m Drop Proof

Can withstand 1-meter drop and stand up to IP54 waterproof & dustproof.



## NFC

Place NFC sensing area of your phone close to UTi720T's NFC logo to recognize & connect Wi-Fi automatically, save the operating time of manual connection.



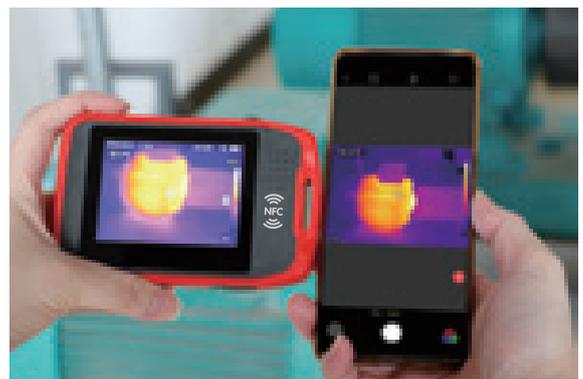
## Video Recording

Long-press camera button to start video recording.

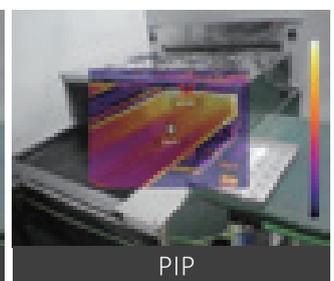
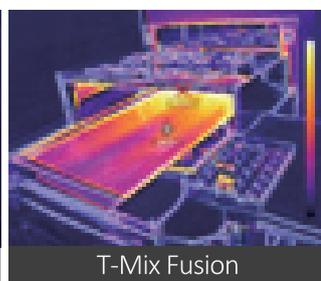
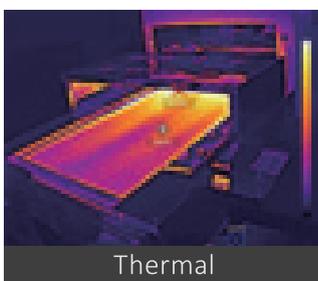


## Wi-Fi Live Streaming

Real-time images projection



## 4 Image Modes



## Analysis Software

Connect PC software & mobile APP via USB cable and Wi-Fi connection to complete the analysis works.

- Photo Viewing & Download
- Data Analysis (PC only)
- Report Generation (PC only)

Google Play    App Store

UTi120T    UTi720T    UTi720T

## Smart Meter

UTi720T supports to connect Clamp meter, Multimeter, and Humidity & temperature meter via Bluetooth, and the measurement data such as current, voltage, and humidity will simultaneously display on the display screen of thermal camera product.

### Adaption Product List

- Clamp Meter: UT202BT
- Multimeter: UT61+ Series
- Humidity & temperature meter: UT333BT

## Applications

PCBA Inspection    Motor Inspection    Mechanical Equipment    Electrical Equipment

# Specifications

Model No.	UTi120T	UTi720T
Product Photo		
<b>Technical Data</b>		
Display	3.5" TFT Touch (320×240)	3.5" TFT Touch (640×480)
IR resolution(Pixels)	120×90	256×192
Pixel size	17μm	12μm
Frame rate	≤25Hz	
Thermal sensitivity(NETD)	≤60mK	≤50mK
Focus	Focus Free	
Field of view(FOV)	50°(H) × 38°(V)	56°(H) × 42°(V)
Temperature measurement range	-20°C~400°C	-20°C~550°C
Accuracy	≥0°C, ±2°C or ±2% whichever is greater <0°C, ±5°C or ±5% whichever is greater	±2°C or ±2% whichever is greater
<b>Functions</b>		
Image mode	Thermal, Visual image, Fusion, PIP	Thermal, Visual image, T-Mix fusion, PIP
On screen analyzer	1 Point/1 Rectangle	5 Points/1 Line/3 Rectangles/3 Circles
Isotherm	Auto/Manual	Auto/Manual/Above/Below/Section/Ratio
HI/LO temperature alarm	LCD animation & LED flashlight	
HI/LO temperature tracking	√	
Digital camera resolution	640×480	2MP
Digital zoom	1.0~8× continuous	
Video recording	—	√
Wi-Fi/Wi-Fi live streaming	√/—	√
Smart meter	—	√
NFC	—	√
LED lighting	√	
Analysis software	PC+APP	
<b>General Characteristics</b>		
Battery	1800mAh rechargeable Li-ion battery	
Operating time	≥2 hours (with Wi-Fi off)	
USB	Type-C	
Storage	Built-in 4GB	Built-in 12GB
Image/video storage format	JPEG	JPEG / AVI
Protection	IP54 & 1m drop proof	
Certificates	CE, FCC, RoHS	
Languages	ZH, EN	EN, FR, DE, ES, IT, SV, PL, CZ
Weight	213g	
Dimension	133mm×85mm×24mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Hand Strap, Cloth Bag, English Manual, Documents Download Operation Guide	Type-C USB cable, Hand Strap, Cloth Bag, Quick Start Guide, Documents Download Operation Guide
Standard individual packing	Gift box	
Standard Qty per carton	5pcs	
Standard carton size	370mm×250mm×170mm	
Standard carton G.W.	3.6kg	

# Heavy Duty Series

## Handheld Thermal Cameras

UNI-T heavy duty series thermal cameras are rugged and ergonomically designed. They are affordable professional tools for building & HVAC, electrical, mechanical, facilities maintenance and other applications.



# UTi260B

## Heavy Duty Thermal Camera

25Hz

Frame rate



Digital camera



On screen analyzer



Buzzer



LED lighting



PC software analysis



Waterproof and dustproof



2m drop proof

### Wide Field of View

56°(H) × 42°(V)

### Wide Temperature Range



-20°C



550°C

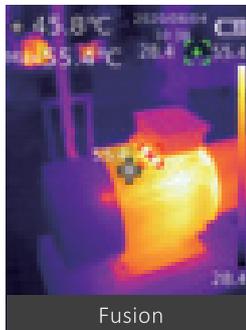
256×192 Pixels

12µm

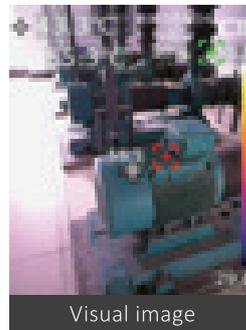
### 4 Image Modes



Thermal



Fusion



Visual image



PIP

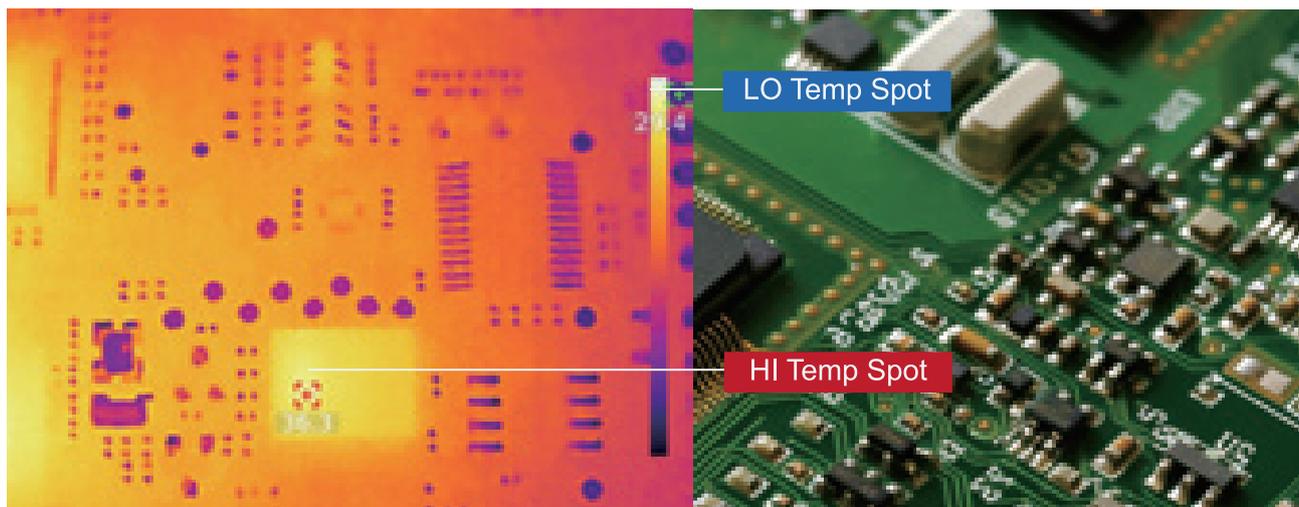
## Analysis Software

Providing you with one-stop functionality to meet the data analysis workflow.

- Photo Browsing
- Secondary Editing & Analysis
- Real-time Images Projection
- Temperature Alarm
- Auto Log Capturing
- Report Generation



## Marco Mode



LO Temp Spot

HI Temp Spot

Marco Lens Model No.: **UT-Z002**  
Optimal distance: **40mm**

## Applications



Electrical Equipment    Mechanical Equipment    Automobile Inspection    Underfloor Heating Detection

# Specifications

<b>Model No.</b>	<b>UTi260B</b>
Product Photo	
<b>Technical Data</b>	
Display	2.8" TFT (320×240)
IR resolution(Pixels)	256×192
Pixel size	12μm
Frame rate	≤25Hz
Thermal sensitivity(NETD)	≤60mK
Focus	Focus Free
Field of view(FOV)	56°(H) × 42°(V)
Temperature measurement range	-20C~550C
Accuracy	±2C or ±2% whichever is greater
<b>Functions</b>	
Image mode	Thermal, Visual image, Fusion, PIP
On screen analyzer	3 Points
HI/LO temperature alarm	LCD animation & LED flashlight
HI/LO temperature tracking	√
Digital camera resolution	640×480
LED lighting	√
Analysis software	PC
<b>General Characteristics</b>	
Battery	5000mAh rechargeable Li-ion battery
Operating time	≥6 hours
USB	Type-C
Storage	32GB Micro SD card
Image storage format	JPG
Protection	IP65 & 2m drop proof
Certificates	CE, FCC, RoHS
Languages	ZH, EN
Weight	490g
Dimension	236mm×75.5mm×86mm
<b>Packing Details</b>	
Standard accessories	Type-C USB cable, Micro SD card, English Manual, Documents Download Operation Guide
Standard individual packing	Gift box
Standard Qty per carton	10pcs
Standard carton size	500mm×315mm×295mm
Standard carton G.W.	10.1kg

# UTi165B Max/UTi260B Max

## Heavy Duty Thermal Camera



Super resolution



Video recording



T-Mix



Digital camera



Wi-Fi



Multi-languages



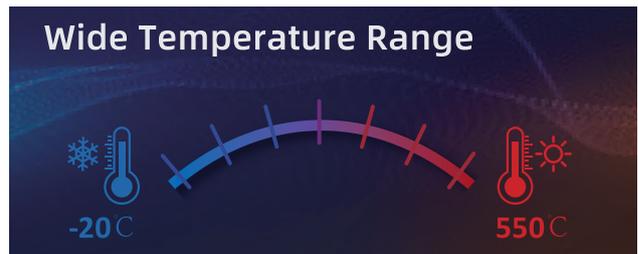
Waterproof and dustproof



2m drop proof



### Video Recording



### Wide Temperature Range



-20°C



550°C



### Frame Rate

25Hz

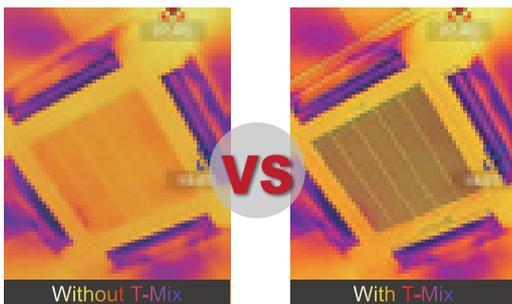
### Video Recording

Support to take videos in MP4 format for real-time monitoring the temperature changes of the targets. Allows to check videos on the device local.



## Wi-Fi Connectivity

Connect mobile devices to "Thermal Link" APP via Wi-Fi to complete one-stop operation E.g. photo browsing & download, real-time image projection, secondary editing & analysis, reverse control, and report generation.



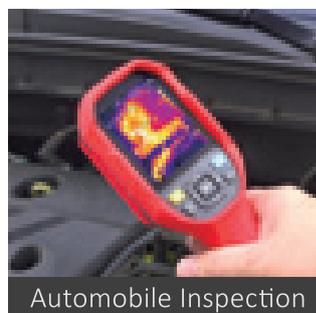
Adopting the brand new self-developed T-Mix 2.0 adaptive dual-light image fusion algorithm technology. Extracting the details such as text & outline from the visual image and injecting into thermal image for obtaining a visualized image, improving troubleshooting efficiency.

## Super Resolution

Enable Super resolution to obtain images with improved quality.



## Applications



# Specifications

Model No.	UTi165B Max	UTi260B Max
Product Photo		
<b>Technical Data</b>		
Display	2.8" TFT (320×240)	
IR resolution(Pixels)	160×120	256×192
Super resolution(Pixels)	√(320×240)	√(512×384)
Pixel size	12μm	
Frame rate	≤25Hz	
Thermal sensitivity(NETD)	≤50mK	
Focus	Focus Free	
Field of view(FOV)	40°(H) × 30°(V)	56°(H) × 42°(V)
Temperature measurement range	-20C~550C	
Accuracy	±2C or ±2% whichever is greater	
<b>Functions</b>		
Color palettes	White Hot, Black Hot, Red Hot, Ironbow, Lava, Rainbow, Rainbow HC	
Image mode	Thermal, Visual image, T-Mix fusion, PIP	
On screen analyzer	5 Points/3 Rectangles	
HI/LO temperature alarm	LCD animation, LED flashlight & Buzzer	
HI/LO temperature tracking	√	
Digital camera resolution	2MP	
Video recording	√	
Wi-Fi/Wi-Fi live streaming	√	
LED lighting	√	
Analysis software	PC+APP	
<b>General Characteristics</b>		
Battery	5000mAh rechargeable Li-ion battery	
Operating time	≥8 hours	≥7 hours
USB	Type-C	
Storage	Built-in 16GB	Built-in 32GB
Image/video storage format	JPG / MP4	
Protection	IP65 & 2m drop proof	
Certificates	CE, FCC, RoHS	
Languages	EN, FR, DE, IT, ES, SV, PL, CZ	
Weight	600g	
Dimension	236mm×75.5mm×86mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Quick Start Guide, Download Operation Guide	
Standard individual packing	Gift box	
Standard Qty per carton	10pcs	
Standard carton size	500mm×315mm×295mm	
Standard carton G.W.	11.2kg	

# UTi712S/UTi716S

## Cost Effective Thermal Camera



-20°C~550°C



Multi-languages



Laser pointer



Buzzer alarm



Ultra-Long  
operating time



PC software  
analysis



Waterproof  
and dustproof



2m drop proof

### Multi-language OS



### Wide Temperature Range



### Frame Rate

25Hz



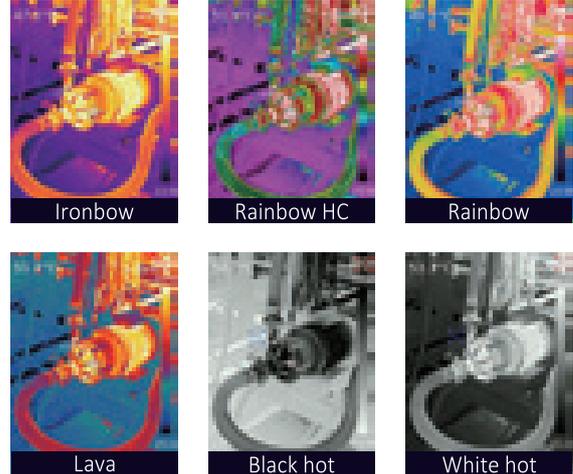
### 4-Buttons Design

Easy to use, and convenient for one-handed operation

## Laser Pointer & LED Lighting



## 6 Color Palettes



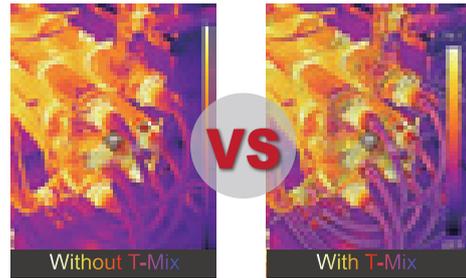
## Super Resolution

With the blessing of Super resolution technology, the quality of infrared image can be improved in 4x.



## T-Mix Fusion Algorithm

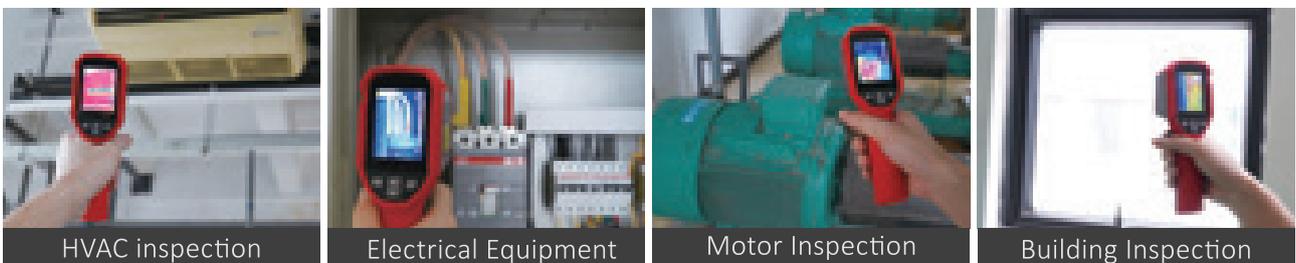
Inject the visible light details without weakening the quality of thermal image.



Connect "UTi Thermal" PC analysis software for photo browsing, secondary editing & analysis, and report generation. Helps users to draw up a targeted solution.



## Applications



# Specifications

Model No.	UTi712S	UTi716S
Product Photo		
<b>Technical Data</b>		
Display	2.4" TFT (320×240)	
IR resolution(Pixels)	120×90	160×120
Super resolution(Pixels)	—	√ (320×240)
Pixel size	17μm	12μm
Frame rate	≤25Hz	
Thermal sensitivity(NETD)	≤60mK	≤50mK
Focus	Focus Free	
Field of view(FOV)	50°(H) × 38°(V)	40°(H) × 30°(V)
Temperature measurement range	-20℃~400℃	-20℃~550℃
Accuracy	±2℃ or ±2% whichever is greater	
<b>Functions</b>		
Image mode	Thermal	Thermal, Visual image, T-Mix fusion, PIP
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer	
HI/LO temperature tracking	√	
Digital camera resolution	—	2MP
Temperature compensation	√	—
Laser pointer	√	
LED lighting	√	
Analysis software	PC	
<b>General Characteristics</b>		
Battery	2600mAh rechargeable Li-ion battery	
Operating time	≥8 hours	≥6 hours
USB	Type-C	
Storage	32GB Micro SD card	Built-in 32GB
Image storage format	BMP	JPG
Protection	IP54 & 2m drop proof	
Certificates	CE, UKCA, FCC, RoHS	CE, FCC, RoHS
Languages	EN, FR, DE, ES, RU	EN, FR, DE, ES, IT, SV, PL, CZ
Weight	316g	326g
Dimension	197mm×72mm×60mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Hand Strap, English Manual, Micro SD card, Documents Download Operation Guide	Type-C USB cable, Hand Strap, Quick Start Guide, Documents Download Operation Guide
Standard individual packing	Gift box	
Standard Qty per carton	5pcs	
Standard carton size	485mm×260mm×170mm	
Standard carton G.W.	3.2kg	

# Enhanced Series

## Handheld Thermal Cameras

Enhanced series products inherit sturdy & durable design. Features a high-definition large screen, providing a superior visual experience. It comes with the detachable batteries to ensure the products last for extended period of use . The built-in system functions have been significantly enhanced, with additions such as isotherm, digital zoom, video recording, laser ranging, etc. All aimed at improving work efficiency. Futhermore, supports to connect Thermal Link via the built-in WiFi module to realize various functions E.g. photo browsing, secondary editing, data analysis, and report generation. Enhanced series products are the handy tools widely used in industrial scenarios.



Large display



Digital camera



Manual focus



Wi-Fi



Interchangeable Lens



Isotherm



Digital zoom



Snap-on battery

# UTi720E/UTi730E

## Handheld Thermal Camera



3.5" IPS screen  
(640x480)



IR resolution



-40°C~400°C



Wi-Fi



Snap-on battery



Multi-languages



Flexible Isotherm



On screen analyzer



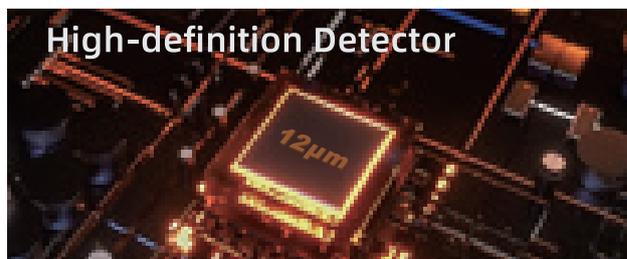
### Large Display Screen



### Wide Temperature Range



### High-definition Detector

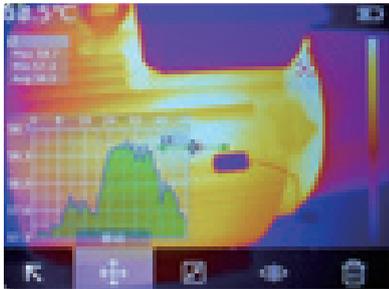
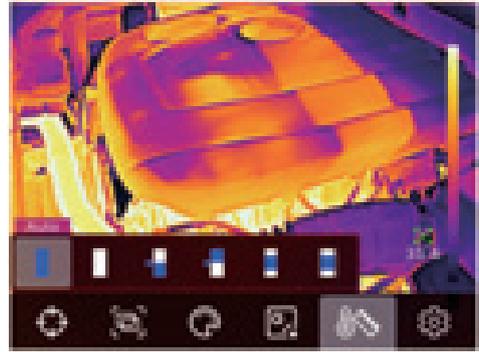


Scan QR code below to download & install "Thermal Link" APP for photos transmission, secondary editing, data analysis, and report generation.



## Flexible Isotherm

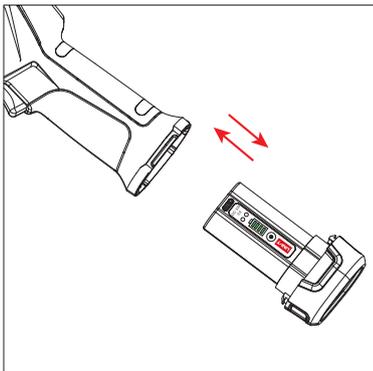
Isotherm is an effective way of alerting temperature. Users can quickly observe temperature of interest through setting the isotherm range. Including 6 Isotherm modes: Auto, Ratio, Below, Above, Section, Manual.



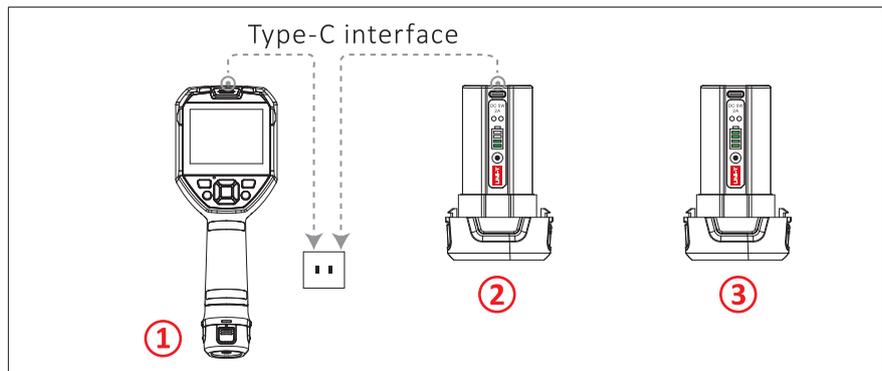
## On Screen Analyzer

User-defined measurement tools, supports to add extra 5 points/1 line/3 rectangles/3 circles analysis graphics

## 5200mAh Detachable Li-ion Battery Pack (UT-M17)



Snap-on design



1. Device charging

2. Charging the battery pack separately

3. Battery indicator light

## Applications



Electrical Equipment



Mechanical Equipment



Solar panel Inspection



Automotive Maintenance

## Specifications

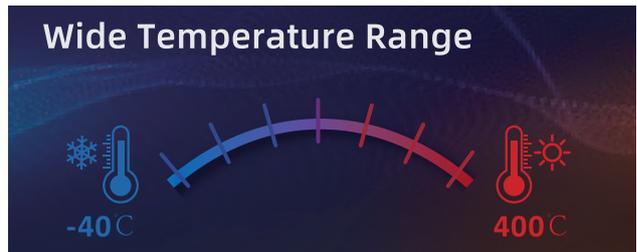
Model No.	UTi720E	UTi730E
Product Photo		
<b>Technical Data</b>		
Display	3.5" IPS (640×480)	
IR resolution(Pixels)	256×192	320×240
Pixel size	12μm	
Frame rate	≤25Hz	≤9Hz
Thermal sensitivity(NETD)	≤50mK	≤65mK
Focus	Focus Free	
Field of view(FOV)	56°(H) × 42.2°(V)	56°(H) × 42°(V)
Temperature measurement range	-20°C~550°C	-40°C~400°C
Accuracy	±2°C or ±2% whichever is greater	
<b>Functions</b>		
Image mode	Thermal, Visual image, Fusion, PIP	
On screen analyzer	5 Points/1 Line/3 Rectangles/3 Circles	
Isotherm	Auto/Ratio/Below/Above/Section/Manual	
HI/LO temperature alarm	LCD animation & LED flashlight	
HI/LO temperature tracking	√	
Digital camera resolution	2MP	
Digital zoom	2x, 4x	
Wi-Fi	√	
LED lighting	√	
Analysis software	PC+APP	
<b>General Characteristics</b>		
Battery	5200mAh detachable Li-ion battery pack (UT-M17)	
Operating time	≥3 hours (with Wi-Fi off)	
USB	Type-C	
Storage	32GB Micro SD card	
Image storage format	JPEG	
Protection	IP54 & 2m	
Certificates	CE, UKCA, FCC, RoHS	
Languages	EN, FR, DE, ES, RU	
Weight	654g	
Dimension	260mm×97mm×99mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Micro SD card, Li-ion battery pack, English Manual, Documents Download Operation Guide	
Standard individual packing	Toolbox & Gift box	
Standard Qty per carton	1pcs	
Standard carton size	400mm×185mm×345mm	
Standard carton G.W.	3.7kg	

# UTi720V/730V

## Handheld Thermal Camera



-  Touch screen
-  5MP digital camera
-  Wi-Fi live streaming
-  Laser ranging
-  On screen analyzer
-  Video recording
-  Voice recording
-  Buzzer alarm



Supports to reversely control the device through mobile APP. Complete the measurement work within the safe range to avoid any danger caused by high voltage/temperature.



## Imaging Effect



## Laser Ranging

With a built-in laser pointer for target positioning and distance measurement



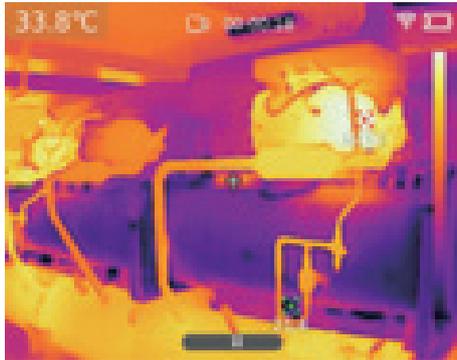
## T-Mix Fusion Algorithm

Highlight the outline & edge of the objects. Location of thermal image and visual image will be registered automatically.

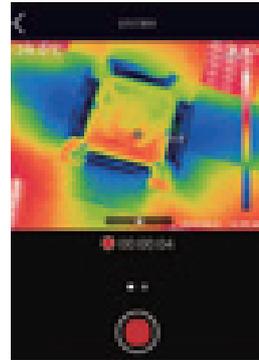


## Video Recording

Recording the temperature data continuously for trend analysis of the temperature changes.



Device interface



APP interface

## Automatic Routine Inspection

Users can customize the time of routine inspection, taking photos & recording the temperature data automatically to monitor the temperature change of the target.



## Reverse Control

Reverse control the device through mobile APP or PC software. Measurement operation is within safe range to avoid any danger caused by high voltage and high temperature or other risks.



PC software



Mobile App

# Specifications

Model No.	UTi720V	UTi730V
Product Photo		
<b>Technical Data</b>		
Display	3.5" IPS Touch (640×480)	
IR resolution(Pixels)	256×192	320×240
Pixel size	12μm	
Frame rate	≤25Hz	≤9Hz
Thermal sensitivity(NETD)	≤50mK	≤65mK
Focus	Focus Free	
Field of view(FOV)	56°(H) × 42.2°(V)	56°(H) × 42°(V)
Temperature measurement range	-20°C~550°C	-40°C~400°C
Accuracy	±2°C or ±2% whichever is greater	
<b>Functions</b>		
Image mode	Thermal, Visual image, T-Mix fusion, PIP	
On screen analyzer	5 Points/1 Line/3 Rectangles/3 Circles	
Isotherm	Auto/Manual	
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer	
HI/LO temperature tracking	√	
Digital camera resolution	5MP	
Digital zoom	2x, 4x	
Video/voice recording	√	
Wi-Fi/Wi-Fi live streaming	√	
LED lighting	√	
Laser pointer/LRF	√	
Analysis software	PC+APP	
<b>General Characteristics</b>		
Battery	5200mAh detachable Li-ion battery pack (UT-M17)	
Operating time	≥4 hours (with Wi-Fi off)	
USB	Type-C	
Storage	32GB Micro SD card	
Image/video storage format	JPEG/AVI	
Protection	IP54 & 2m	
Certificates	CE, UKCA, FCC, RoHS	
Languages	EN, FR, DE, IT, ES, SV, PL, CZ	
Weight	654g	
Dimension	260mm×97mm×99mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Micro SD card, Li-ion battery pack×2, Quick Start Guide, English Manual, Documents Download Operation Guide	
Standard individual packing	Toolbox & Gift box	
Standard Qty per carton	1pcs	
Standard carton size	400mm×185mm×345mm	
Standard carton G.W.	4kg	

# UTi256G/UTi384G

## Handheld Thermal Camera



Manual focus



3.5" IPS touch screen



5MP digital camera



Laser pointer



Annotation



Video recording



Wi-Fi live streaming



PC software analysis

### Manual Focus

Features a focusing ring for obtaining more accurate results, fearless of different measurement distance.



### Laser Pointer & LED Lighting

For overcoming the difficulties of target positioning and insufficient lighting in harsh situations.



### Storage Upgrade

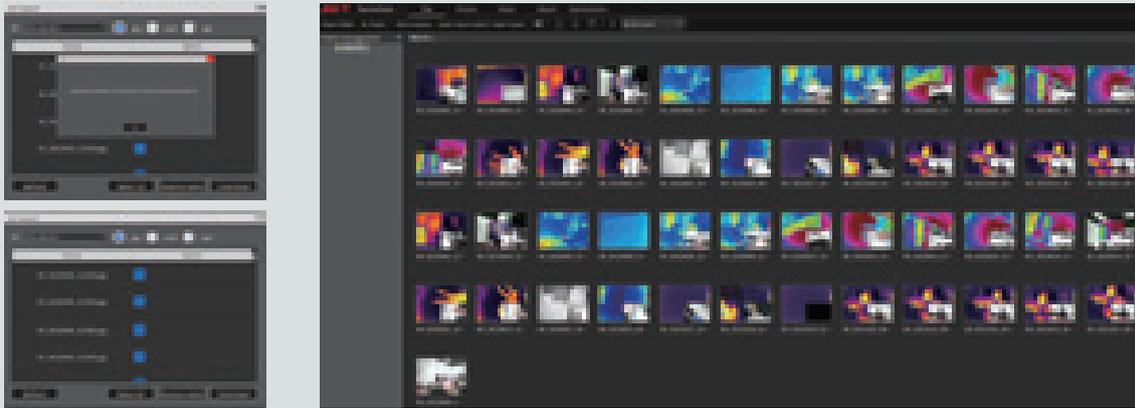
With built-in 8GB and external 32GB SD card



## Analysis Software

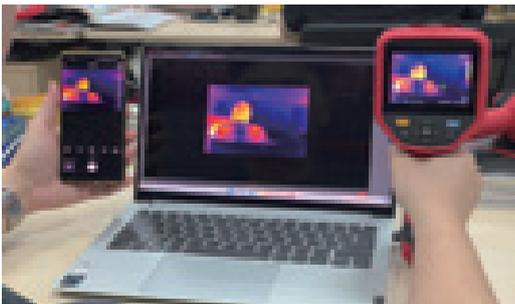
### Air Import

Realize data transmission in a wireless connection way, quickly import photos & videos on thermal imager, improve efficiency of data analysis.



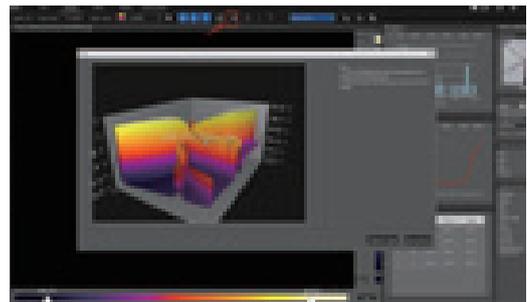
### Wi-Fi Live Streaming

Transmitting real-time image to multiple devices simultaneously.



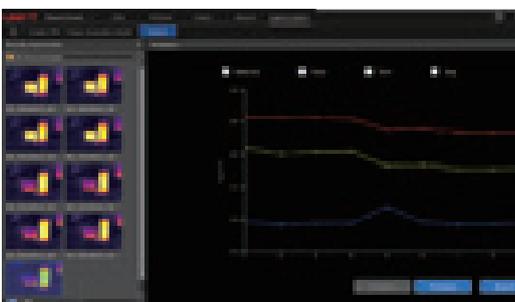
### 3D Mode

Convert IR image to 3D mode directly.



### Trend Analysis

Generate the corresponding trend analysis charts.



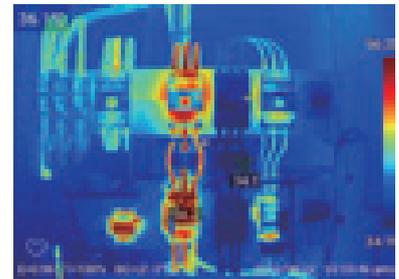
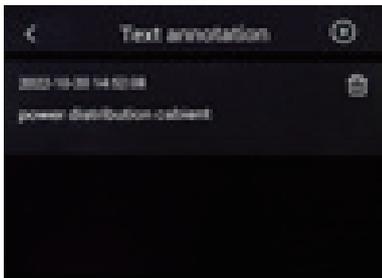
### Report Generation & Printing

One-click to generate analysis reports, and support to export reports in .word & .pdf format.



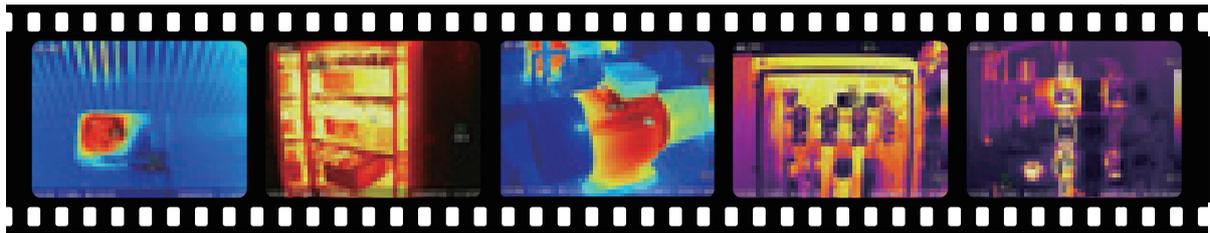
## Text & Audio Annotation

Adding text or audio annotations to get rid of the complexity of taking notes by hand, improving the working efficiency.



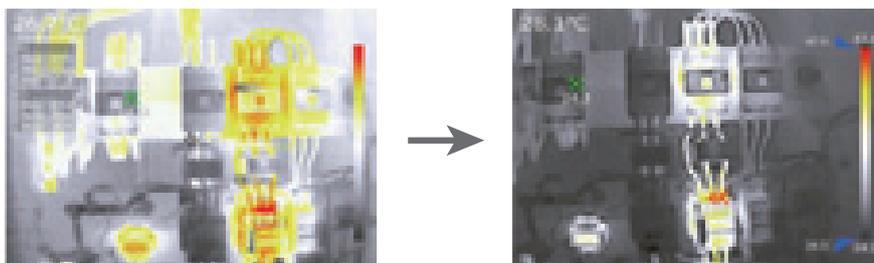
## Video Recording

Take videos in MP4 or .irgd (with radiometric data) format. Providing accurate measurement result support for drawing up the targeted solution.



## Flexible Isotherm

Manual adjustment and fully automatic operation. Lock the target quickly, and highlight the problem of the measured target.



## Applications



# Specifications

Model No.	UTi256G	UTi384G
Product Photo		
<b>Technical Data</b>		
Display	3.5" IPS Touch (640×480)	
IR resolution(Pixels)	256×192	384×288
Pixel size	17μm	
Frame rate	≤30Hz	
Thermal sensitivity(NETD)	≤40mK	
Focus	Manual Focus	
Field of view(FOV)	28°(H) × 20°(V)	42°(H) × 30°(V)
Temperature measurement range	-20°C~550°C	
Accuracy	±2°C or ±2% whichever is greater	
<b>Functions</b>		
Image mode	Thermal, Visual image, Fusion, PIP	
On screen analyzer	3 Points/3 Lines/3 Rectangles/3 Circles	5 Points/5 Lines/5 Rectangles/5 Circles
Isotherm	Auto/Manual/Above/Below/Section	
HI/LO temperature alarm	LCD animation	
HI/LO temperature tracking	√	
Digital camera resolution	5MP	
Digital zoom	2x, 4x	
Video/voice recording	— / √	√
Wi-Fi/Wi-Fi live streaming	√	
Bluetooth	√	
LED lighting	√	
Analysis software	PC+APP	
<b>General Characteristics</b>		
Battery	5200mAh detachable Li-ion battery pack (UT-M17)	
Operating time	Approx. 5 hours (with Wi-Fi off)	
USB	Type-C	
Storage	Built-in 8GB and 32GB Micro SD card	
Image/video storage format	JPEG	JPEG/MP4 & irgd
Protection	IP54 & 2m	
Certificates	CE, UKCA, FCC, RoHS	
Languages	EN, FR, DE, IT, ES, SV, PL, CZ, RU, PT, AR, JA, KO	
Weight	880g	
Dimension	261mm×104mm×97mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Micro SD card, Li-ion battery pack×2, English Manual, Documents Download Operation Guide	
Standard individual packing	Toolbox & Gift box	
Standard Qty per carton	1pcs	
Standard carton size	400mm×185mm×345mm	
Standard carton G.W.	3.9kg (UTi256G) / 4kg (UTi384G)	

# UTi740H

## Handheld Thermal Camera



-30°C~650°C



IR resolution



4.3" IPS screen  
(800×480)



Manual focus



5MP digital camera



Wi-Fi



Multi-languages



Snap-on battery

### Large Display Screen



### Wide Temperature Range



### High-definition Detector



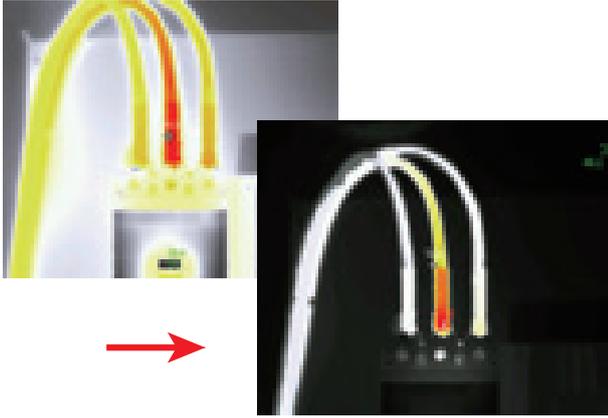
Adjust the focusing ring manually until the imaging gets clear, meet the measurement requirements at different distances, more accurate results obtained.



Manual Focus

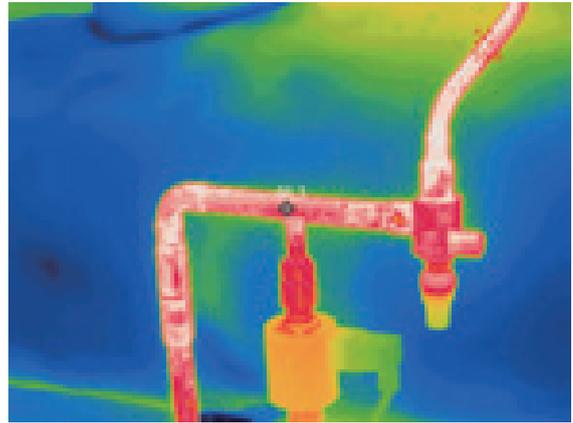
## Flexible Isotherm

Customize temperature span to highlight the areas that you wanna focus on to quickly locate and recognize the potential problems.



## Brilliant Image Quality

Features a high-definition Vox detector with 384x288 pixels and 25Hz refresh rate, providing smooth and vivid images.



## PC Software/APP

Scan QR code below to download & install "Thermal Link" APP for photos transmission, secondary editing, data analysis, and report generation.



## Applications



# Specifications

<b>Model No.</b>	<b>UTi740H</b>
Product Photo	
<b>Technical Data</b>	
Display	4.3" IPS (800×480)
IR resolution(Pixels)	384×288
Pixel size	17μm
Frame rate	≤25Hz
Thermal sensitivity(NETD)	≤60mK
Focus	Manual Focus
Field of view(FOV)	28°(H) × 21°(V)
Temperature measurement range	-30°C ~ 650°C
Accuracy	±2°C or ±2% whichever is greater
<b>Functions</b>	
Image mode	Thermal, Visual image, T-Mix fusion, PIP
On screen analyzer	5 Points/1 Line/5 Rectangles/5 Circles
Isotherm	Auto/Manual
HI/LO temperature alarm	LCD animation
HI/LO temperature tracking	√
Digital camera resolution	5MP
Digital zoom	2x, 4x
Wi-Fi	√
Analysis software	PC+APP
<b>General Characteristics</b>	
Battery	5200mAh detachable Li-ion battery pack (UT-M17)
Operating time	Approx. 5 hours (with Wi-Fi off)
USB	Type-C
Storage	32GB Micro SD card
Image storage format	BMP
Protection	IP54 & 2m
Certificates	CE, UKCA, FCC, RoHS
Languages	EN, FR, DE, IT, ES, SV
Weight	806g
Dimension	266mm×126mm×136mm
<b>Packing Details</b>	
Standard accessories	Type-C USB cable, Micro SD card, Li-ion battery pack×2, Hand Strap, English Manual, Documents Download Operation Guide
Standard individual packing	Toolbox & Gift box
Standard Qty per carton	1pcs
Standard carton size	400mm×185mm×345mm
Standard carton G.W.	4.1kg

# UTi384J/UTi640J

## Handheld Thermal Camera



Interchangeable Lens



Multiple focus modes



Super resolution



Laser ranging



Color palettes



Digital zoom



Video recording



Annotation



AI voice



Wi-Fi

### 4.3" Capacitive Touch Screen



### Wide Temperature Range

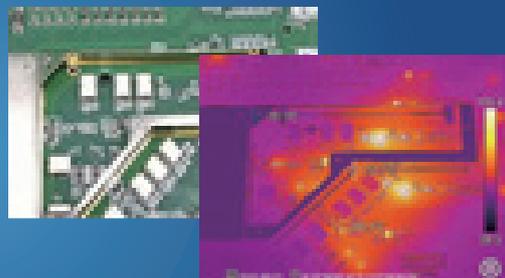


### High-definition Detector



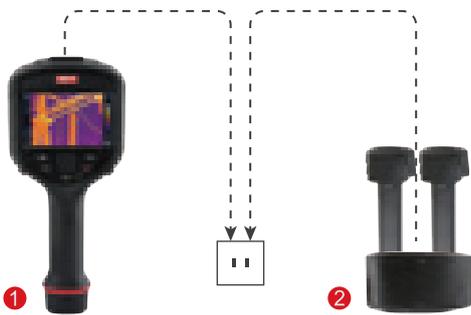
### Dual-light Video Recording

- Supports recording visual & infrared videos simultaneously.
- Videos recorded in MP4 & Irgd (with radiometric data) format.
- Hi-res digital camera for clearer image quality.



## Charging Modes

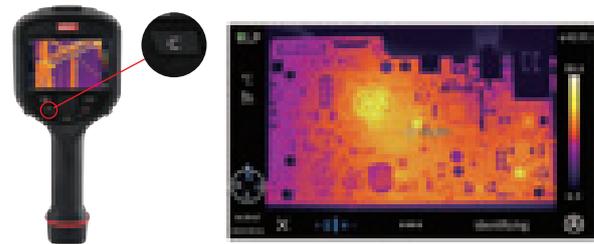
- ① Charging the device directly
- ② Charging the battery independently



## Intelligent Assistant

**Auxiliary Button**--Quickly call up functions through pressing "C" button slightly.

**All-round Voice Assistant**--Perform operations through identifying AI voice command.

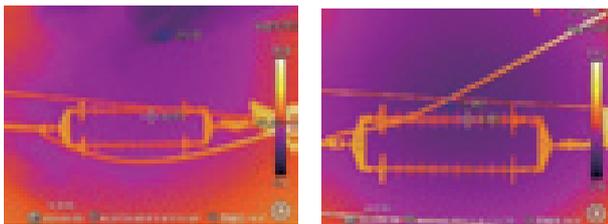


Auxiliary Button

All-round Voice Assistant

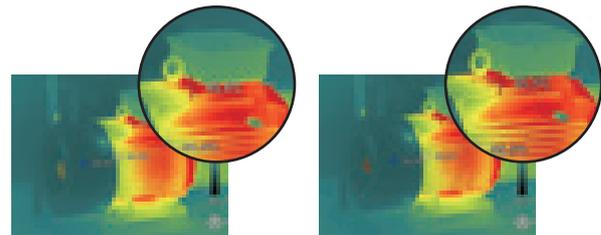
## Focus Modes

Focusing the targets in different measurement distances at a breakneck speed, saving operating time and improving the working efficiency by obtaining sharper images with accurate temperature data.



## Super Resolution

Enhance image details via the algorithm, the image quality can be improved in 4x after Super-resolution is enabled.



Original Resolution (640x480)

Super-resolution (1280x960)

## Laser Raging

An integrated laser distance meter is a tool that can estimate the straight-line distance between the machine and the target, which can be analyzed for various purposes.



## Interchangeable lens

### UTi384J

UT-2018



6.0mm, F/1.0  
Wide-angle Lens 44°×34°

UT-2019



17.5mm, F/1.0  
Medium-tele Lens 15°×11°

UT-2020



37.5mm, F/1.0  
Tele Lens 7°×5°

UT-2021



500 C -2000 C  
HI Temp Lens 25°×19°

UT-2022



10.5mm, F/1.0  
Standard Lens 25°×19°



### UTi640J

UT-2006



16.2mm, F/1.1  
Marco Lens

UT-2007



10.0mm, F/1.1  
Wide-angle Lens 44°×34°

UT-2008



29.0mm, F/1.1  
Medium tele Lens 15°×11°

UT-2009



62.9mm, F/1.3  
Tele Lens 7°×5°

UT-2010



500 C -2000 C, F/1.0  
High-Temp Lens 25°×19°

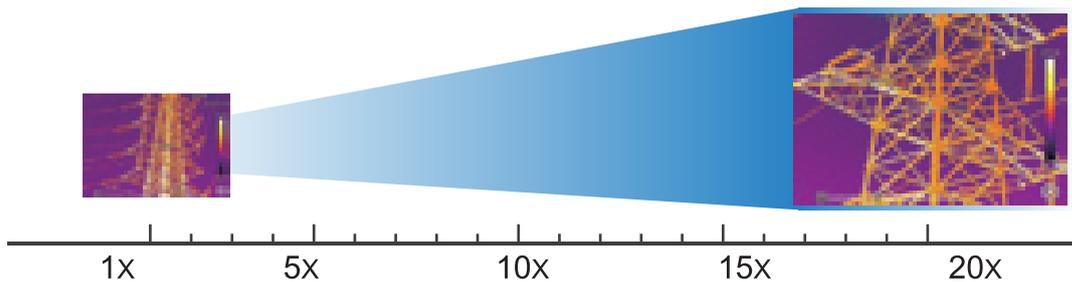
UT-2011



17.7mm, F/1.0  
Standard Lens 25°×19°

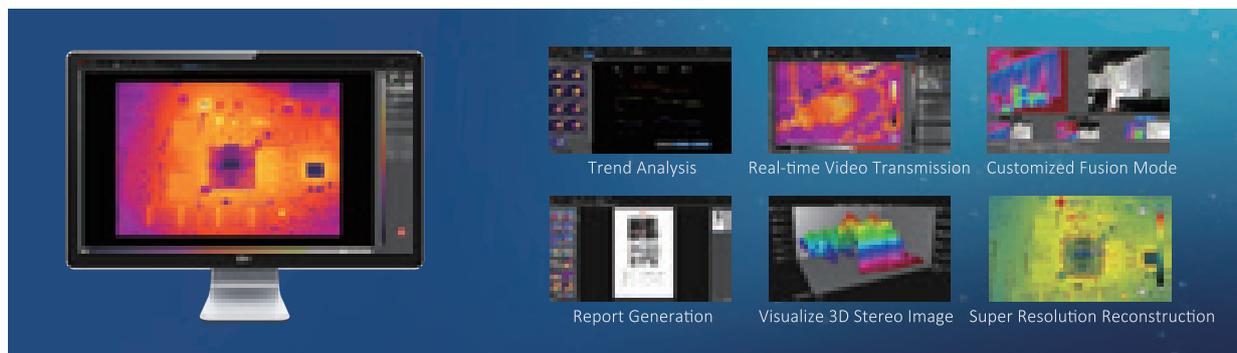
## Digital Zoom

Swipe outward on the screen via two fingers to zoom in image, magnification times up to 20x.



## Diversified Workflow

UNI-T Analyzer is a professional software for PC analysis. It has a user-friendly interface and allows users to perform in-depth analysis and batch processing of collected data. The analysis report provided by the software is convincing and helps users to draw up a targeted solution.



Connect NDT APP via Wi-Fi to realize data analysis & sharing, secondary editing, report generation, reverse control, and Wi-Fi live streaming anywhere & anytime.

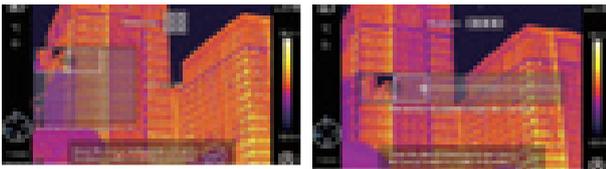
## Annotation

Rapidly notes the important information through the methods such as text annotation, voice annotation, and QR code scanning instead of the handwritten records, for better reviewing & analyzing data at the late stage.



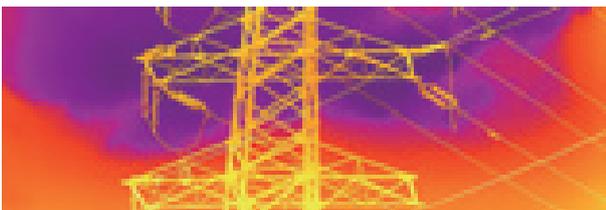
## Panoramic Stitching

On the basis of retaining the image quality and details, multiple IR images are combined into a panoramic image, assisting users to globally observe the temperature differences.



Gridview Stitching

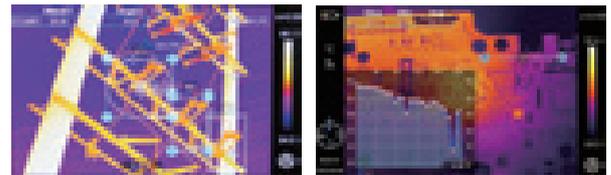
Horizontal Stitching



## Image Analysis

### On Screen Analyzer

Add custom analysis tools for monitoring the areas you are interested in.

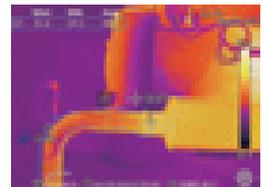


Real-time Analysis

Temperature Differences Comparison

### Image Outline

Manually draw the outline for the areas, and system will automatically align & enclose it for more accurate results.



## Rich Color Palettes

With 15 sets built-in standard color palettes, supports to customize color palette scheme.



# Specifications

Model No.	UTi384J	UTi640J
Product Photo		
<b>Technical Data</b>		
Display	4.3" LCD Touch (800x480)	
IR resolution(Pixels)	384x288	640x480
Super resolution(Pixels)	√(768x576)	√(1280x960)
Pixel size	12μm	
Frame rate	30Hz	
Thermal sensitivity(NETD)	≤40mK	
Focus	Manual / Automatic / Touch AF / Continuous AF	
Lens focal length	10.5mm	17.7mm
Field of view(FOV)	25°(H) × 19°(V)	
Temperature measurement range	Support auto-switching: -40°C~150°C, 0°C~650°C 500°C~2000°C (Optional HI-temp. Lens)	
Accuracy	±2°C or ±2% whichever is greater	
<b>Functions</b>		
Image mode	Thermal, Visual image, Fusion, PIP	
On screen analyzer	10 Points/10 Lines/10 Rectangles/10 Circles	16 Points/16 Lines/16 Rectangles/16 Circles
Isotherm	Automatic, Semi-automatic, Manual	
Level & Span	√	
Image outline	√	
Panoramic stitching	√	
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer	
All-round voice assistant	√	
Annotation	Text, Voice, Image	
Digital camera resolution	8MP	13MP
Digital zoom	1.1x~10x	1.1x~20x
Video/voice recording	√	
Wi-Fi/Wi-Fi live streaming	√	
Bluetooth/GPS	√	
Laser pointer/LRF	√	
LED lighting	√	
Analysis software	PC+APP	
<b>General Characteristics</b>		
Battery	3350mAh detachable Li-ion battery pack	
Operating time	≥5 hours (with Wi-Fi off)	≥4 hours (with Wi-Fi off)
USB	Type-C	
Storage	Built-in 64GB & 64GB Micro SD card	
Image/video storage format	JPEG/MP4 & .irgd	
Protection	IP54 & 2m drop proof	
Certificates	CE, UKCA, FCC, RoHS	
Languages	CN, TC, EN, FR, DE, ES, IT, RU, PL, KR, PT, TR, TH, NO, CZ, HU, JP, AR	
Weight	≤1.15KG (included standard lens & battery)	
Dimension	292mm×125mm×125mm	
<b>Packing Details</b>		
Standard accessories	Li-ion battery pack x2, Charging Base, Lens front and back cover, Power adapter (US/CN), Adapter plug (EU/UK/AU), Wrist strap, Shoulder strap, Type-C to C charger cable, Type-C USB cable, Ethernet cable, Type-C to RJ45, SD card (64GB), Quick start guide, Accessories list card	
Standard individual packing	Toolbox & Gift box	
Standard Qty per carton	1pcs	
Standard carton size	500mm×260mm×420mm	

# UT568B

## Handheld Acoustic Imager



**138 MEMS**

Microphone array



200KHz Sound sampling rate



4.3" IPS touch screen



Leak cost estimate



Measurement distance



LED lighting

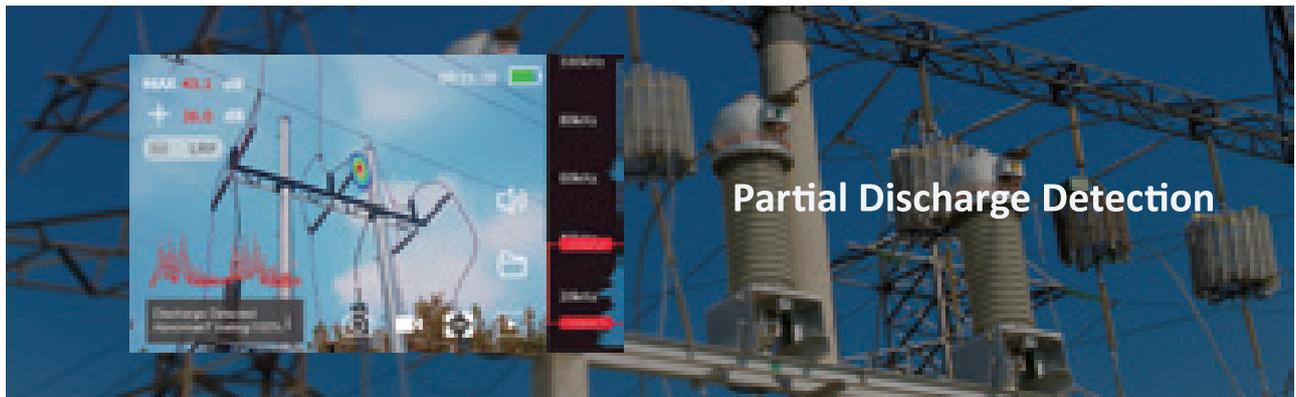


Wi-Fi



PC software analysis

## Measurement Modes

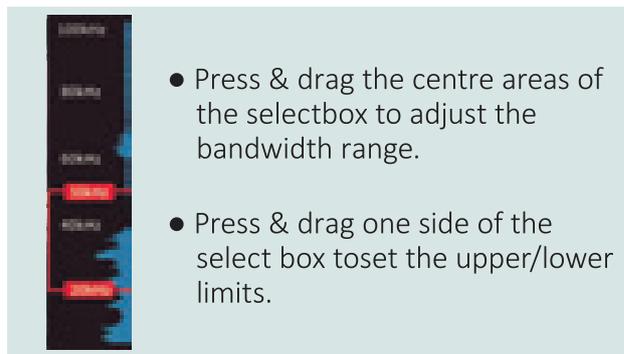
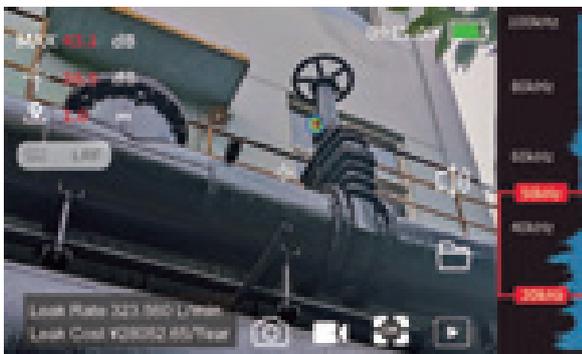
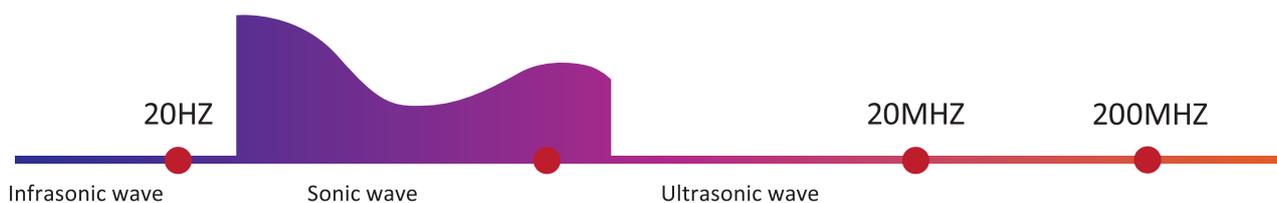


## High Sensitivity Digital Microphones



### Bandwidth

Display acoustic signal in a selectable bandwidth within the range between sonic wave and ultrasonic wave to avoid interference.



## Detection Distance



## Localization Modes

Featuring the ability to distinguish various sound sources, accurately locate the position and distribution strength of the sound sources.



Single Sound Source



Multiple Sound Source



Hologram

## LED Lighting

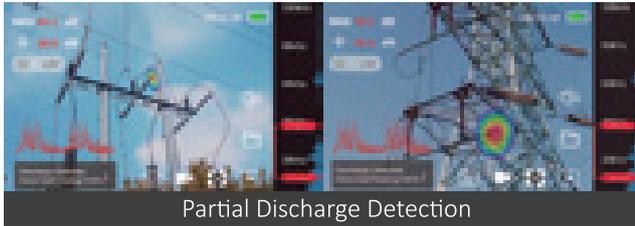
Supplement lighting in low-brightness environment for measurement scenes recognition



## Detachable Li-ion Battery Pack



## Applications



Partial Discharge Detection



Gas Leak Detection

## Specifications

Model No.	UT568B
Product Photo	
<b>Technical Data</b>	
Microphones channels	138
Microphones type	High sensitivity digital MEMS microphones
Array plane size	Approx. 150mm
Microphones sensitivity	-26dBFS@1kHz
Sound pressure sensitivity	Lower limit: <20dB Upper limit: >120dB
SNR(Signal to noise ratio)	64dB@1kHz
Bandwidth	2kHz~100kHz
Sound sampling rate	200kHz
Minimum leak rate	>0.15m/s (0.5MPa, 0.5m), >0.2m/s (0.5MPa, 1m)
Detection distance	0.3~150m
Acoustic imaging frame rate	25FPS
Display	4.3" Touch display screen
FOV	60°(H) x 40°(V)
Digital camera resolution(pixels)	13MP
Working temperature	-20~50 C
<b>Functions</b>	
Discharge detection type	Corona, Floating, Surface
Display mode	Single, Multi, Hologram
Threshold adjustment	Flitering background noise
LRF	30m
Auto enhancement	√
Photo capturing/video recording	√
Wireless connection	Wi-Fi & Bluetooth
Annotation	Text & voice
<b>General Characteristics</b>	
USB	Type-C
Communication interface	Data transmission & report generating
Storage capacity	128GB SD card
Image format	JPG
Video format	MP4
Audio format	WAV
Languages	ZH,EN
Weight	1.35kg
Dimension	163mm×286mm×140mm

# UTi32

## High Temperature Thermal Camera

UTi32 is specially designed for measuring ultra-high temperature scenarios, measuring temperature up to 1000°C. Also, it features a digital camera with 300,000 pixels and LED light, which meets the different requirements of measuring work.



-20°C~1000°C



Digital camera



Ultra-long battery life



Temperature alert



LED lighting

The max.  
**1000°C**

### Temperature Alert

Display an alert animation on screen while the measured data exceeds the preset alert threshold.



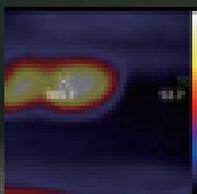
### LED Lighting

Supplement lighting for low-brightness environment, help users recognize the actual situations.

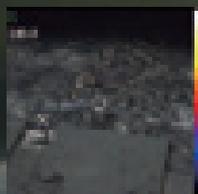


### Dual-light Image

Equipped with a 300,000 pixels visible light lens and an infrared lens for taking visual images and thermal images simultaneously, convenient for post analysis and comparison of the measurement results.



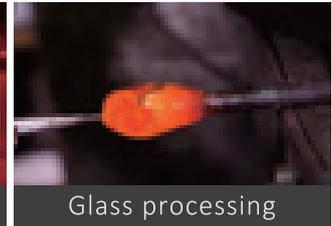
IR



VIS



## Applications



## Specifications

Model No.	UTi32
Product Photo	
<b>Technical Data</b>	
Display	2.4" IPS (320x240)
IR resolution(Pixels)	32x32
Pixel size	17μm
Frame rate	≤9Hz
Thermal sensitivity(NETD)	≤150mK
Focus	Focus Free
Field of view(FOV)	30°(H) × 30°(V)
Temperature measurement range	-20°C ~ 1000°C
Accuracy	±2°C or ±2% whichever is greater
<b>Functions</b>	
Image mode	Thermal, Visual image, Fusion
HI/LO temperature alarm	LCD animation
HI/LO temperature tracking	√
Digital camera resolution	300,000 pixels
<b>General Characteristics</b>	
Battery	2600mAh rechargeable Li-ion battery
Operating time	≥7 hours
USB	Type-C
Storage	16G Mirco SD card
Image storage format	BMP
Certificates	CE, UKCA, FCC, RoHS
Languages	ZH, EN
Weight	303g
Dimension	205mmx124mmx65mm
<b>Packing Details</b>	
Standard accessories	Type-C USB cable, SD card, English Manual, Documents Download Operation Guide
Standard individual packing	Gift box
Standard Qty per carton	5pcs
Standard carton size	500mmx275mmx190mm
Standard carton G.W.	3.4kg

# Pro Series

## Handheld Thermal Cameras

C series intelligent high-end infrared thermal cameras feature a high-definition Vox infrared detector. This series products have A/M-focus system to provide much more crisp images. 5" LCD touch screen makes the operation more handy. The built-in numerous practical functions enhance working efficiency and meet the requirements of various harsh measurement environments.



# UTi641C/UTi1020C/UTi1280C

## Professional Thermal Camera



Interchangeable Lens



Eyepiece observation



Dual digital camera



Focus mode



Laser ranging



AI outline



Panorama stitching



AI voice



Customized palettes



Bluetooth



Wi-Fi



NFC transmission



### 5" Capacitive Touch Screen



### Wide Temperature Range



### High-definition Detector



### Dual-light Video Recording

- Equips dual digital camera (Telephoto & Wide-angle), up to 16MP.
- Videos can be stored in MP4 format and Irgd format (with temp info)
- Video refresh rate up to 20Hz (optional)



## Rotatable Lens

Lens can be rotated up to 90°, easy to change and calibration-free.



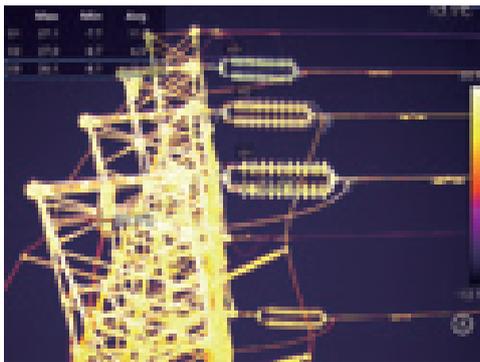
## NFC Transmission

Ultra-fast experience with data transmission in an instant.



## AI Outline

Manually draw the outline for the targets, and system will automatically align & enclose it to obtain more accurate measurement results.



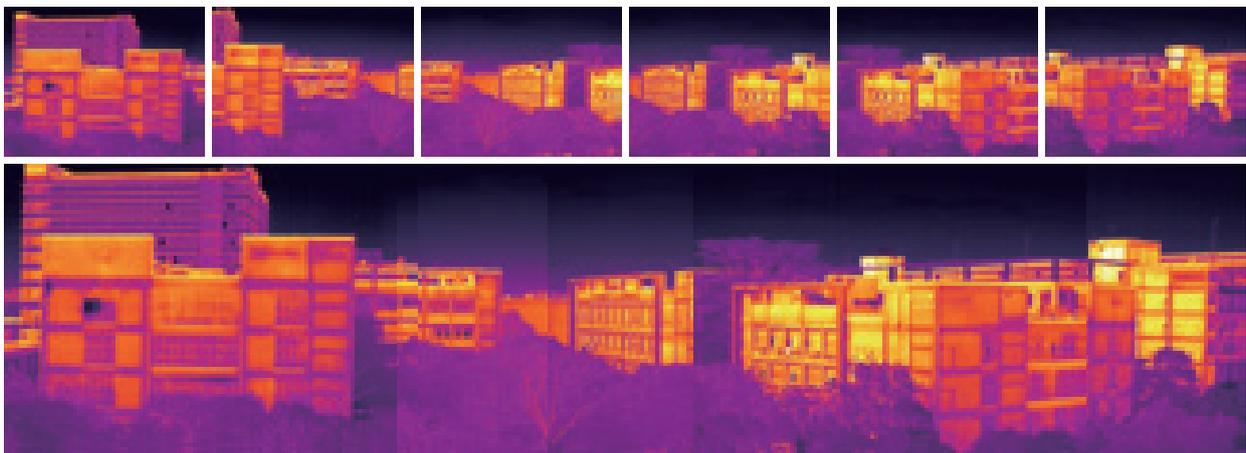
## All-round Voice Assistant

Frees up your hands and realize remote control via the built-in all-round voice assistant.



## Panorama Stitching

Without decreasing the details of the image, multiple thermal images can be stitched into a panoramic image through panoramic stitching function, which is convenient for panoramic analysis and improves working efficiency. It is extremely useful for monitoring complex scenes such as large equipment, buildings, and construction sites.



## Self-adaptive Interchangeable Lens



### UTi641C

UT-Z033



17mm, 25°×19°  
Standard Lens

UT-Z034



10.0mm, 45°×34°  
Wide-angle Lens

UT-Z035



30mm, 15°×11°  
Medium-tele Lens

UT-Z036



64mm, 7°×5°  
Tele Lens

UT-Z037



33.5mm, 3x magnification  
Marco Lens

UT-Z011



400~2500 C, 25°×19°  
HI Temp. Lens

### UTi1020C

UT-Z023



28mm, 25°×19°  
Standard Lens

UT-Z024



35.8mm, 3x magnification  
Marco Lens

UT-Z025



15mm, 45°×34°  
Wide-angle Lens

UT-Z026



47mm, 15°×11°  
Medium-tele Lens

UT-Z027



100mm, 7°×5°  
Tele Lens

UT-Z028



400~2500 C, 25°×19°  
HI Temp. Lens

### UTi1280C

UT-Z024



35.8mm, 3x magnification  
Marco Lens

UT-Z028



400~2500 C, 25°×19°  
HI Temp. Lens

UT-Z029



35mm, 25°×19°  
Standard Lens

UT-Z030



19mm, 45°×34°  
Wide-angle Lens

UT-Z031



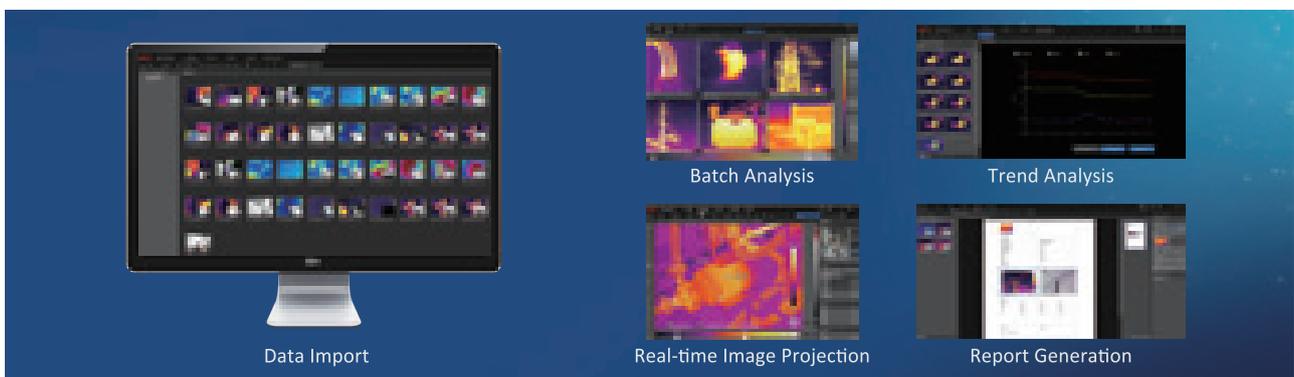
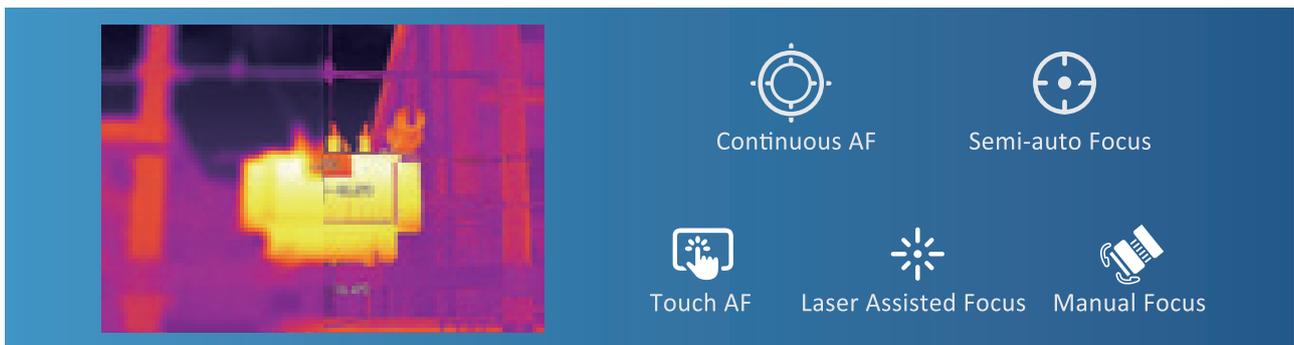
60mm, 15°×11°  
Medium-tele Lens

UT-Z032



130mm, 7°×5°  
Tele Lens

## Focus Modes



# Specifications

Model No.	UTi641C	UTi1020C	UTi1280C
Product Photo			
<b>Technical Data</b>			
IR resolution(Pixels)	5" LCD Touch (1920×1080)		
Eyepiece	OLED screen, 1920×1080		
IR resolution(Pixels)	640×512	1024×768	1280×1024
Pixel size	12μm		
Frame rate	30Hz		
Thermal sensitivity(NETD)	≤30mK	≤25mK	
Focus	Manual / Automatic / Touch AF / Continuous AF		
Lens focal length	17mm	28mm	35mm
Field of view(FOV)	25°×19°		
Lens recognition	Automatic		
Temperature measurement range	Support auto-switching: -40°C~150°C, 0°C ~650°C 400°C ~2500°C (Optional HI Temp. Lens)	Support auto-switching: -40°C~150°C, 0°C ~800°C 400°C ~2500°C (Optional HI Temp. Lens)	
Accuracy	±1°C or ±1% whichever is greater		
<b>Functions</b>			
Image mode	Thermal, Visual image, Fusion, PIP		
On screen analyzer	30 Points/30 Lines/30 Rectangles/30 Circles	35 Points/35 Lines/35 Rectangles/35 Circles	
Level & Span	Automatic, Semi-automatic, Manual		
Image outline	√		
Panoramic stitching	√		
NFC transmission	√		
Customized auxiliary button	√		
All-round voice assistant	√		
Annotation	√		
Digital camera resolution	8MP+13MP	8MP+16MP	
Digital zoom	1.1x~40x	1.1x~50x	
Video/voice recording	√		
Wi-Fi/Wi-Fi live streaming	√		
Bluetooth	√		
GPS/E-compass	√		
Laser pointer/LRF	√		
LED lighting	√		
Analysis software	PC+APP		
<b>General Characteristics</b>			
Battery type	Lithium-ion rechargeable battery		
Operating time	4 hours		
External interface	Type-C, DC (12V) , SD card slot, Micro HDMI, UNC ¼"-20 (Tripod mounting)		
Storage	Built-in (64 GB) and external SD card (128 GB and up to 256 GB)		
Image/video storage format	JPG (with temp info) / MP4 (without temp info) & Irgd (with temp info)		
Protection	IP54		
Weight	1.86kg (with battery)		
Dimension	191mm×171mm×118mm		
<b>Packing Details</b>			
Standard accessories	Lens front and back cover, Lithium-ion battery (2 pcs), Desktop charger, Power adapter, Adapter plug (5 pcs) , TYPE-C USB cable, Micro HDMI cable, Type C to GE cable, SD card (128 GB) , Wrist strap, Shoulder strap, Carrying case, Safety box, Packaging list, Quick Start Guide, Data download card (analysis software & user manual), Certificate of approval, Factory certificate		
Standard individual packing	Toolbox & Gift box		
Standard Qty per carton	1pcs		

# UTi591A

## On-line Thermographic Camera



### Overview

UTi591A is a on-line thermographic camera integrating an infrared thermal imager and a digital camera. Its small size breaks through the installation limitations of narrow spaces, allowing for flexible deployment. It is particularly suitable for deployment in narrow and enclosed spaces such as power distribution cabinets and data centers, providing continuous temperature data collection, analysis, and alerts for uninterrupted state monitoring of critical electromechanical equipment.

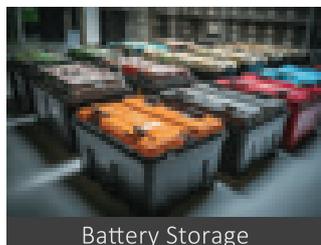
### Features

- Infrared resolution: 120×90 pixels (upgrades to 480×360)
- Frame rate: 30Hz
- Temperature measurement range covers -20℃~400℃
- Unified interface, compatible with Ethernet/IP standard protocol, which is conducive to networking
- Remote access to real-time video and temperature data
- Multiple installation methods: Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting/Magnetic etc.
- Features T-Mix 2.0 algorithm
- Automatic lighting supplement
- Compact & light-weight design, low power consumption

### Applications



Transformer



Battery Storage



High-tension Switch Cabinet



Machine Room Monitoring

# Specifications

Model No.	UTi591A
Product Photo	
<b>Technical Data</b>	
Infrared resolution	120×90 pixels, can be upgraded to 480×360 pixels
Pixel size	17μm
Frame rate	30Hz
NETD	≤60mK
Infrared lens	2.28mm, 50°
Digital camera lens	3.2mm, 76°×50°
Digital camera resolution	1920×1080
Focus	Focus free
Temperature measurement range	-20~400 C
Accuracy	±2 C or ±2% whichever is greater
<b>Functions</b>	
Image mode	Thermal, Visual image, T-Mix fusion
On screen analyzer	Point/Line/Circle/Rectangle
HI/LO temperature tracking	√
HI/LO temprature alm	Audible and visual alarm, I/O output, Log, Image save, File sending (FTP), Email (SMTP), Notice
Data record	Photo capturing & video recording (built-in storage)
Networking	Support to connect with different types of UT on-line thermographic products
<b>General Characteristics</b>	
Data interface	Ethernet, I/O alarm, RS485
Protocol/standard	ONVIF, GB28181, Modbus TCP/RTU, MQTT, etc
SDK	Windows/Linux
Video compression standard	4K@30fps H.264 standard
Image storage format	JPEG
Power supply	Ethernet POE/DC12V-24V
Power dissipation	≤3.6W
Working temperature	-10 C~50 C
Storage temperature	-40 C~70 C
Working humidity	<85%RH
IP rating	IP67
Installing method	Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting/Magnetic, etc.
Dimension	105mm×65mm×30mm

# UTi586A/UTi587A

## On-line Thermographic Camera



### Interchangeable Lens



6mm  
(UTi586A only)



62.8mm  
(UTi587A only)



9.6mm



18mm



36mm

### Features

- IR resolution: 400×300/640×512 pixels
- Interchangeable Lens
- Temperature measurement range from -20 °C to 650 °C (up to 2000 °C, HI Temp lens is required)
- Smooth image, up to 30Hz
- Heat-resistant mechanism
- Comprehensive data output, convenient for secondary analysis
- 2D & 3D noise reduction
- Practical functions (Manual focus/Mirror/Digital zoom/Local video output)
- Adjustable color palettes
- DDE algorithm
- OTA update
- Remote access real-time videos & temperature data
- PoE/DC power supply
- Multiple installation methods: Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting etc.

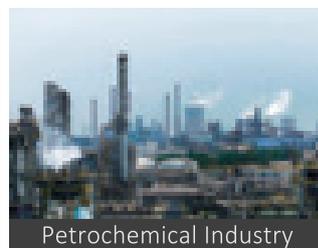
### Applications



Warehousing Industry



Metal Smelting



Petrochemical Industry



Scientific Research Testing

# Specifications

Model No.	UTI586A	UTI587A
Product Photo		
<b>Technical Data</b>		
Infrared resolution	400×300 pixels	640×512 pixels
Pixel size	12μm	
Frame rate	30Hz	
NETD	≤45mK	
Lens focal length	6mm/9.6mm/18mm/36mm	9.6mm/18mm/36mm/62.8mm
FOV	46°(H)×34°(V), (D)58°@f 6mm 28.8°(H)×21.5°(V), (D)36.2°@f 9.6mm 15.2°(H)×11.4°(V), (D)19°@f 18mm 7.6°(H)×5.6°(V), (D)9.4°@f 36mm	46°(H)×37°(V), (D)61.4°@f 9.6mm; 24°(H)×19.3°(V), (D)30.5°@f 18mm 12°(H)×9.6°(V), (D)15.5°@f 36mm; 7°(H)×5.6°(V), (D)9°@f 62.8mm
IFOV	2mrad@f 6mm; 1.25mrad@f 9.6mm 0.66mrad@f 18mm 0.33mrad@f 36mm	1.25mrad@f 9.6mm 0.66mrad@f 18mm 0.33mrad@f 36mm 0.19mrad@f 62.8mm
Focus	Manual focus	
Temperature measurement range	-20~650 C (up to 2000 C, HI temp lens is required)	
Accuracy	±2 C or ±2% whichever is greater	
<b>Functions</b>		
Image mode	Thermal	
HI/LO temperature tracking	√	
HI/LO temperature alarm	I/O output, Log, Image save, File sending (FTP), Email (SMTP), Notice	
Data record	Photo capturing & video recording (built-in storage)	
Networking	Support to connect with different types of UT on-line thermographic products	
Browsing	WEB & PC analysis software	
User management	√	
<b>General Characteristics</b>		
Data interface	Ethernet, I/O alarm, RS485	
Protocol/standard	ONVIF, GB28181, Modbus TCP/RTU, MQTT, etc	
SDK	Windows/Linux	
Video compression standard	4K@30fps H.264 standard	
Image storage format	JPEG	
Power supply	Ethernet POE/DC12V-24V	
Power dissipation	≤3.6W	
Working temperature	-20 C~60 C	
Storage temperature	-40 C~70 C	
Working humidity	<95%RH noncondensing	
Installing method	Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting, etc.	
Dimension	120mm×65mm×65mm (without lens)	

# Thermal **Monoculars**

Thermal monoculars are tailored to outdoor lovers, designed with convenience and easy of use. This series products are also ergonomic and lightweight, with excellent imaging, they are good choices for search and rescue, hunting, and other outdoor activities.



Thermal Xplorer



# UTx313M/UTx318M/UTx325M

## Thermal Monocular



Pocket size



0.39" OLED  
(1024×768)



Stadiametric  
ranging



Wi-Fi live  
streaming



E-Compass



Video recording



Detachable  
battery



Mobile APP



### Pocket Size

Easy to carry on the go in a pocket or cloth bag. Its structure conforms to the design of human body mechanics, which is convenient for one-handed operation.



### Large OLED Display

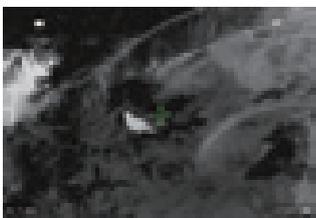
0.39" large display screen, high-definition (1024×768), more details come into view, providing an excellent observation experience.



### Scene Modes

To meet the requirements of different usage scenarios, 3 scenes are offered:

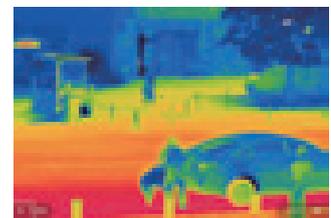
- Bird mode: Find a target with small heat sources. It's suitable for bird observation.
- Forest mode: Providing more details of the observed target and landscape. It's suitable for observation and searching in forest.
- Rock mode: Show more details in the complex scene. It's suitable for sunny days or urban environments.



Bird mode



Forest mode



Rock mode

# 357<sup>g</sup>



Lightweight and convenient to carry

## Smart Standby



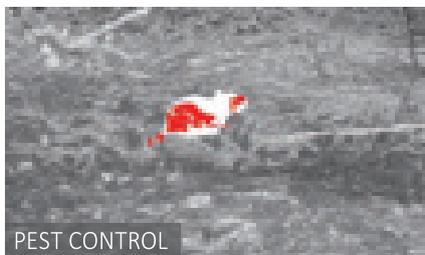
Display screen automatically lights up when the device closes to the eyes. If you place the device for 30s above without any operations, the device automatically switches to standby mode for saving power.

## Charging Base

- Supply power for detachable batteries and mobile devices.
- Charging via Type-C interface



- Charging indicator light



# Specifications

Model No.	UTx313M	UTx318M	UTx325M
Product Photo			
<b>Technical Data</b>			
Display	0.39" OLED (1024×768)		
IR resolution(Pixels)	400×300		
Pixel size	12μm		
Frame rate	≤50Hz		
Thermal sensitivity(NETD)	≤25mK		
Focus	Manual focus		
Lens focal length	13mm	18mm	25mm
Field of view(FOV)	20°(H) × 15°(V)	14.6°(H) × 11°(V)	10.5°(H) × 7.9°(V)
Diopter adjustment	-4D~+5D		
<b>Functions</b>			
Digital zoom	2x, 4x, 8x / 1.0~8x continuous		
Scene mode	Bird, Forest, Rock		
Calibration mode	Auto, Manual, Background		
Distance Measurement	Stadiametric ranging		
Smart standby	√		
Hot trace	√		
E-Compass	√		
PIP	√		
Video recording	√		
Photo viewing	Device Local, PC, APP		
Wi-Fi download photo	√		
Wi-Fi live streaming	√		
Video output	Type-C interface		
Analysis software	APP (Android & iOS)		
<b>General Characteristics</b>			
Battery	3250mAh detachable Li-ion battery (UT-M21)		
Operating time	≥4 hours		
USB	Type-C		
Storage	Built-in 16GB		
Image/video storage format	PNG/MP4		
Protection	IP67 & 2m drop proof		
Certificates	EAC, CE, FCC, RoHS, FDA		
Languages	EN, FR, DE, ES, IT, RU, UA		
Weight	357g		
Dimensions	160mm×71.5mm×38.5mm		
<b>Packing Details</b>			
Standard accessories	Type-C USB cable, Hand Strap, Cloth Bag, Charging Base, Rechargeable Li-ion battery×2, Quick Start Guide, Tool Box		
Standard individual packing	Gift box		
Standard Qty per carton	1pcs		
Standard carton size	305mm×135mm×265mm		
Standard carton G.W.	2kg		

# UTx313MR/UTx318MR/UTx325MR

## Thermal Monocular



Pocket size



0.39" OLED  
(1024×768)



Laser ranging



Wi-Fi live  
streaming



E-Compass



Video recording



Detachable  
battery



Mobile APP



### Pocket Size

Easy to carry on the go in a pocket or cloth bag. Its structure conforms to the design of human body mechanics, which is convenient for one-handed operation.



### Large OLED Display

0.39" large display screen, high-definition (1024×768), more details come into view, providing an excellent observation experience.

### Scene Modes

To meet the requirements of different usage scenarios, 3 scenes are offered:

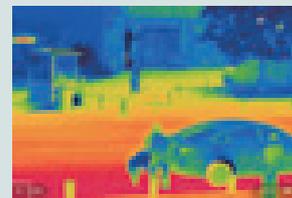
- Bird mode: Find a target with small heat sources. It's suitable for bird observation.
- Forest mode: Providing more details of the observed target and landscape. It's suitable for observation and searching in forest.
- Rock mode: Show more details in the complex scene. It's suitable for sunny days or urban environments.



Bird mode



Forest mode



Rock mode

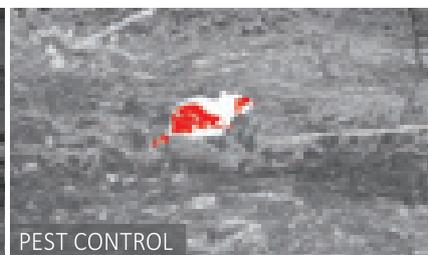


### Smart Standby

Display screen automatically lights up when the device closes to the eyes. If you place the device for 30s above without any operations, the device automatically switches to standby mode for saving power.

### Charging Base

- Supply power for detachable batteries and mobile devices.
- Charging via Type-C interface



# Specifications

Model No.	UTx313MR	UTx318MR	UTx325MR
Product Photo			
<b>Technical Data</b>			
Display	0.39" OLED (1024×768)		
IR resolution(Pixels)	400×300		
Pixel size	12μm		
Frame rate	≤50Hz		
Thermal sensitivity(NETD)	≤25mK		
Focus	Manual focus		
Lens focal length	13mm	18mm	25mm
Field of view(FOV)	20°(H) × 15°(V)	14.6°(H) × 11°(V)	10.5°(H) × 7.9°(V)
Diopter adjustment	-4D~+5D		
<b>Functions</b>			
Digital zoom	2x, 4x, 8x / 1.0~8x continuous		
Scene mode	Bird, Forest, Rock		
Calibration mode	Auto, Manual, Background		
Distance Measurement	Laser ranging (up to 1000m)		
Smart standby	√		
Hot trace	√		
E-Compass	√		
PIP	√		
Video recording	√		
Photo viewing	Device Local, PC, APP		
Wi-Fi download photo	√		
Wi-Fi live streaming	√		
Video output	Type-C interface		
Analysis software	APP (Android & iOS)		
<b>General Characteristics</b>			
Battery	3250mAh detachable Li-ion battery (UT-M21)		
Operating time	≥4 hours		
USB	Type-C		
Storage	Built-in 16GB		
Image/video storage format	PNG/MP4		
Protection	IP67 & 2m drop proof		
Certificates	EAC, CE, FCC, RoHS, FDA		
Languages	EN, FR, DE, ES, IT, RU, UA		
Weight	357g		
Dimensions	160mm×71.5mm×38.5mm		
<b>Packing Details</b>			
Standard accessories	Type-C USB cable, Hand Strap, Cloth Bag, Charging Base, Rechargeable Li-ion battery×2, Quick Start Guide, Tool Box		
Standard individual packing	Gift box		
Standard Qty per carton	1pcs		
Standard carton size	305mm×135mm×265mm		
Standard carton G.W.	2kg		



# UTx313/UTx318/UTx325

## Thermal Monocular



0.4" LCOS  
(1280×960)



Hot trace



IR resolution



Waterproof  
and dustproof

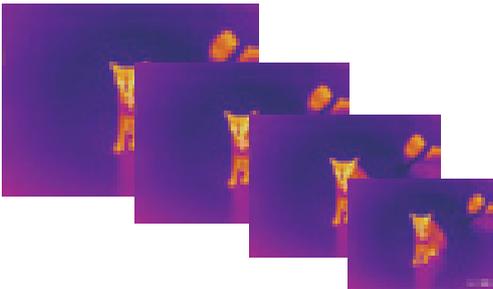


Photo viewing



2m drop proof

### 384×288 IR Resolution



### Photo Viewing

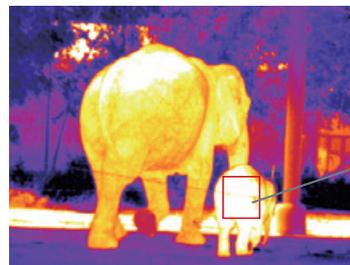


### Center Spot Mark

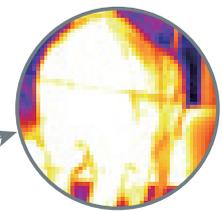


### Hot Trace

Thermal monocular can automatically detects and marks the hot spot of highest temperature.

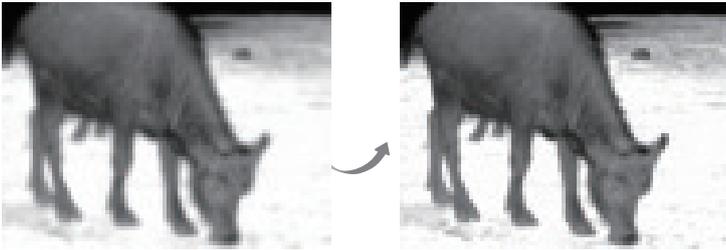


Hot trace - On



Hottest area

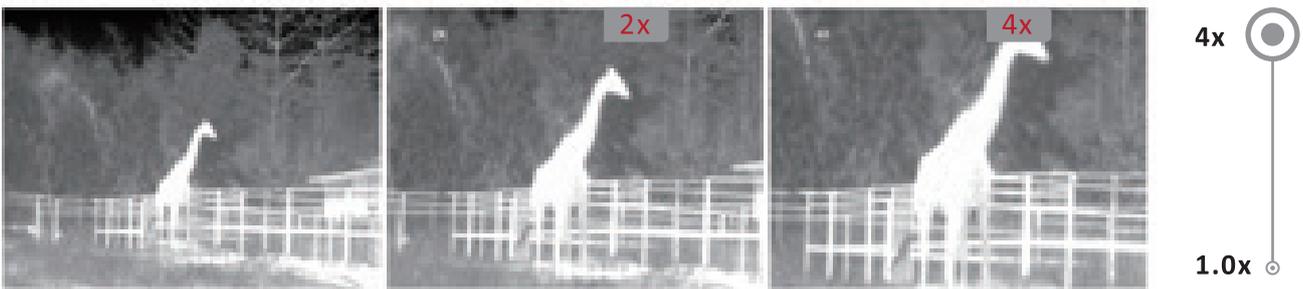
## Digital Details Enhancement



DDE is an improved algorithm, which remains details on the images with high dynamic range, assists users to collect more details in scenarios with extreme dynamic range.

## Digital Zoom

2x, 4x / 1.0~4x continuous



Product Range Performance			
	UTx313	UTx318	UTx325
 <b>Rabbit</b> { Height: 0.3m } { Width: 0.3m }	■ 225 ■ 56 ■ 28	■ 299 ■ 75 ■ 37	■ 417 ■ 104 ■ 52
 <b>Wild boar</b> { Height: 0.6m } { Width: 1.1m }	■ 609 ■ 152 ■ 76	■ 808 ■ 202 ■ 101	■ 1128 ■ 282 ■ 141
 <b>Human</b> { Height: 1.8m } { Width: 0.5m }	■ 711 ■ 178 ■ 89	■ 944 ■ 236 ■ 118	■ 1318 ■ 329 ■ 165
 <b>Vehicle</b> { Height: 2.3m } { Width: 2.3m }	■ 1723 ■ 431 ■ 215	■ 2289 ■ 572 ■ 286	■ 3194 ■ 799 ■ 399

## Applications



## Specifications

Model No.	UTx313	UTx318	UTx325
Product Photo			
<b>Technical Data</b>			
Display	0.4" LCOS (1280×960)		
IR resolution(Pixels)	384×288		
Pixel size	12μm		
Frame rate	≤50Hz		
Thermal sensitivity(NETD)	≤40mK		
Focus	Manual focus		
Lens focal length	13.5mm	18mm	25mm
Field of view(FOV)	20.3°(H) × 15.2°(V)	14.6°(H) × 11°(V)	10.5°(H) × 7.9°(V)
Diopter adjustment	-5D~+3D		
<b>Functions</b>			
Digital zoom	2x, 4x / 1.0~4x continuous		
Calibration mode	Auto, Manual, Background		
Hot trace	√		
Photo viewing	Device Local & PC		
Video output	MCX interface		
<b>General Characteristics</b>			
Battery	4000mAh rechargeable Li-ion battery		
Operating time	≥8 hours		
USB	Type-C		
Storage	Built-in 16GB		
Image storage format	PNG		
Protection	IP67 & 2m drop proof		
Certificates	UL, CE, UKCA, RoHS		
Languages	ZH, EN		
Weight	428g		
Dimensions	207.6mm×62mm×62mm		
<b>Packing Details</b>			
Standard accessories	Type-C USB cable, English Manual, Tool Box		
Standard individual packing	Gift box		
Standard Qty per carton	1pcs		
Standard carton size	370mm×140mm×275mm		
Standard carton G.W.	1.9kg		

# UTx210W

## Thermal Monocular



0.23" OLED  
(640×400)

256  
×  
192

IR resolution

50Hz

Frame rate

M

Stadiametric  
ranging



Wi-Fi  
live streaming



Digital zoom



Video  
recording



Mobile APP

### 16GB Built-in Memory

Built-in 16GB memory make it easy to store and share your outdoor adventures with this thermal imaging monocular.



### Waterproof & Dustproof

The whole machine is waterproof (IP67) and dustproof, which can be used in harsh conditions.



### Wi-Fi

Wi-Fi hotspot and Type-C interface provide easy connectivity options, making it a great choice for hunters looking for a high-tech hunting monocular.



### OLED 640×400 Display

0.23" display screen, high-definition (640×400), more details come into view, providing an excellent observation experience.



# Specifications

Model No.	UTx210W
Product Photo	
<b>Technical Data</b>	
Display	0.23" OLED (640×400)
IR resolution(Pixels)	256×192
Pixel size	12μm
Frame rate	≤50Hz
Thermal sensitivity(NETD)	≤35mK
Focus	Focus free
Lens focal length	10mm
Field of view(FOV)	17.5°(H) × 13.1°(V)
Diopter adjustment	-5D~+5D
<b>Functions</b>	
Digital zoom	2x, 4x, 8x / 1.0~8x continuous
Calibration mode	Auto, Manual, Background
Distance Measurement	Stadiametric ranging
Hot trace	√
PIP	√
Video recording	√
Photo viewing	Device Local, PC, APP
Wi-Fi download photo	√
Wi-Fi live streaming	√
Video output	Type-C interface
Analysis software	APP (Android & iOS)
<b>General Characteristics</b>	
Battery	4000mAh rechargeable Li-ion battery
Operating time	≥6 hours
USB	Type-C
Storage	Built-in 16GB
Image/video storage format	PNG/MP4
Protection	IP67 & 2m drop proof
Certificates	CE, FCC, RoHS
Languages	EN, FR, DE, ES, IT, RU, UA
Weight	410g
Dimensions	185.5mm×63.7mm×62mm
<b>Packing Details</b>	
Standard accessories	Type-C USB cable, English Manual, Tool Box
Standard individual packing	Gift box
Standard Qty per carton	1pcs
Standard carton size	370mm×140mm×275mm
Standard carton G.W.	1.9kg

# UTx625M/UTx635M

## Thermal Monocular



Pocket size



0,39" OLED  
(1024x768)



IR resolution



Stadiametric  
ranging



Wi-Fi  
live streaming



Video  
recording



Detachable  
battery



Mobile APP

### 640x512 High IR Resolution

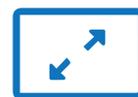
With 640x512 high IR resolution, and high-gamut 0.39-inch display brings better image quality and visual effects.



**640x512**  
IR Resolution



**0.39 inch**  
OLED



**1024x768**  
Display

### Thermal Sensitivity (NETD): <25mk

Uses a 25 mK NETD high sensitivity thermal detector to provide clear and detailed thermal images.

<25mk



### Charging Base

- Supply power for detachable batteries and mobile devices.
- Charging via Type-C interface



# Specifications

Model No.	UTx625M	UTx635M
Product Photo		
<b>Technical Data</b>		
Display	0.39" OLED (1024×768)	
IR resolution(Pixels)	640×512	
Pixel size	12μm	
Frame rate	≤50Hz	
Thermal sensitivity(NETD)	≤25mK	
Focus	Manual focus	
Lens focal length	25mm	35mm
Field of view(FOV)	17.4°(H) × 14°(V)	12.5°(H) × 10°(V)
Diopter adjustment	-4D~+5D	
<b>Functions</b>		
Digital zoom	2x, 4x, 8x / 1.0~8x continuous	
Scene mode	Bird, Forest, Rock	
Calibration mode	Auto, Manual, Background	
Distance Measurement	Stadiametric ranging	
Smart standby	√	
Hot trace	√	
E-Compass	√	
PIP	√	
Video recording	√	
Photo viewing	Device Local, PC, APP	
Wi-Fi download photo	√	
Wi-Fi live streaming	√	
Video output	Type-C interface	
Analysis software	APP (Android & iOS)	
<b>General Characteristics</b>		
Battery	3250mAh detachable Li-ion battery (UT-M21)	
Operating time	≥3.5 hours	
USB	Type-C	
Storage	Built-in 16GB	
Image/video storage format	PNG/MP4	
Protection	IP67 & 2m drop proof	
Certificates	EAC, CE, FCC, RoHS	
Languages	EN, FR, DE, ES, IT, RU, UA	
Weight	357g	
Dimensions	160mm×71.5mm×38.5mm	
<b>Packing Details</b>		
Standard accessories	Type-C USB cable, Hand Strap, Cloth Bag, Charging Base, Rechargeable Li-ion battery×2, Quick Start Guide, Tool Box	
Standard individual packing	Gift box	
Standard Qty per carton	1pcs	
Standard carton size	305mm×135mm×265mm	
Standard carton G.W.	2kg	

# Accessories



Without installing a macro lens, thermal imaging quality gets blurry when measuring targets within the minimum imaging distance. After installing a macro lens, thermal imaging quality remains clear even though focusing on targets at a close distance. Please be subject to user manual for the optimum measurement distance.

## UT-Z005

### Macro Lens



*\* Applicable for UTi721M/UTi720M*

## UT-Z002

### Macro Lens



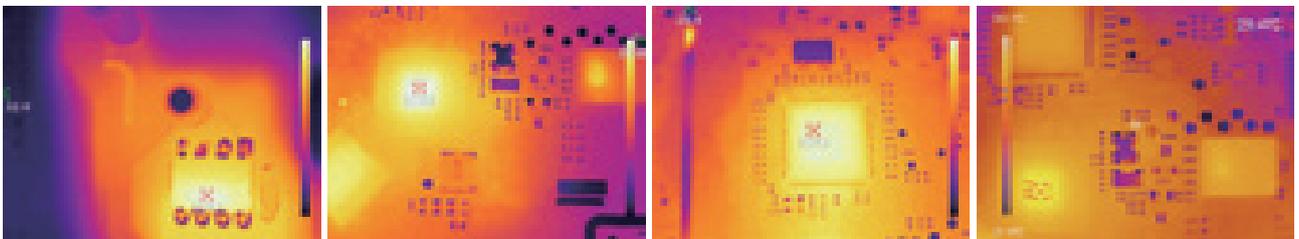
*\* Applicable for UTi260B/UTi260B Max/UTi720A*

## UT-Z003

### Macro Lens



*\* Applicable for UTi730E/UTi720E/UTi730V/UTi720V*



## UT-Z004/UT-Z040

### Charging Base



- Supply power for detachable batteries and mobile devices.
- Charging via Type-C interface



\* UT-Z004 is applicable for UTx313M/UTx318M/UTx325M/UTx625M/UTx635M

\* UT-Z040 is applicable for UTx313MR/UTx318MR/UTx325MR

## UT-M17

### Li-ion Battery Pack



USB Type-C



Large capacity



LED indicator



Overcharge protection



Snap-on battery



\* Applicable for UNI-T E/V/H/G series thermal camera

Specification	
Charging current/voltage	1.5A/5V
Battery capacity	5200mAh 19.2Wh
Overcurrent protection	√
Short-circuit protection	√
Overcharge & discharge protection	√
Charging interface protection	Overvoltage protection
Charging interface	USB Type-C
Charging time	<4h
Status indicator	Dual colour LED indicator (Green/Red)
Certificate	UN38.3/UL

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