

Enhanced Series

Handheld Thermal Cameras

UNI-T enhanced thermal cameras provide various functions, such as Wi-Fi capability, multiple measurement tools (include 5 Points, 1 Line, 3 Rectangles, 3 Circles), with 2MP digital camera and flexible Isotherm function. The 3.5" large IPS display screen offers excellent display quality, the detachable 5200mAh li-ion battery pack is convenient for easy and quick battery change, allowing continuously work for long periods of time.



Wi-Fi



5200mAh
Replaceable
Battery



3.5" IPS Screen



Temperature
analyze tools



Flexible
Isotherm



2MP Digital
Camera



3.5" IPS display screen

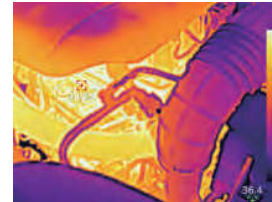
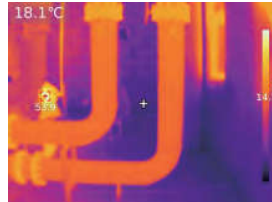
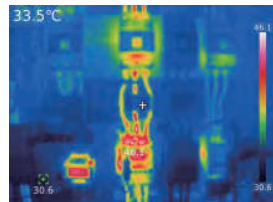
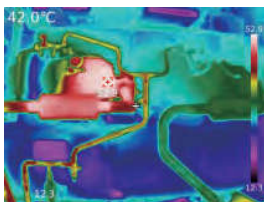


Lens cover

■ UTi720E/730E

- IR resolution: 256x192 (UTi720E)
320x240 (UTi730E)
- Temperature measurement range:
-20°C~550°C (UTi720E)
-40°C~400°C (UTi730E)
- Digital camera resolution: 2MP
- Digital zoom: 2x, 4x
- Image modes: Thermal, Visual image, Fusion, PIP
- On screen analyzer: Point 5/Line 1/ Rectangle 3/Circle 3
- Color palettes: 7
- Isotherm (Auto/Ratio/Below/Above/ Section/Manual)
- PC software
- 3500mAh Detachable battery pack
- 2m drop proof

» High IR resolution provides high-definition color clarity

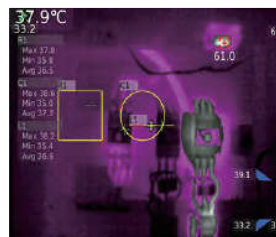
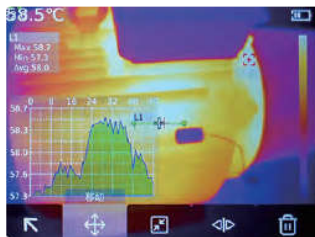


» **Flexible Isotherm**

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**



Point 5
Line 1
Rectangle 3
Circle 3

» **5200mAh detachable Li-ion battery pack**

- Detachable battery pack with snap-on design
- One click to check battery capacity
- Type-C port
- Two charging modes:
The thermal camera can be charged directly;
The battery pack is detachable to charge separately.






Applications

PCBA inspection, motor inspection, pipeline inspection, house water leakage inspection, automotive maintenance, solar panel inspection, power distribution cabinet inspection, electricity facilities inspection, mechanical equipment inspection, heating equipment inspection, building&HVAC inspection, etc.



Specifications

Model No.	UTi720E	UTi730E
Product Photo		
Technical Data		
IR resolution (Pixels)	256x192	320x240
Spatial resolution (IFOV)	3.8mrad	3mrad
Thermal sensitivity (NETD)	≤50mK @25°C	≤65mK @25°C
Temperature measurement range	-20°C~550°C	-40°C~400°C
Frame rate	≤25Hz	≤9Hz
Display	3.5"IPS (640x480)	
Field of view (FOV)	56°x42.2°	
Focus	Focus free	
Accuracy	±2°C or ±2% whichever is greater	
Emissivity	0.01~1.00 adjustable (0.95 default)	
Functions		
Color palettes	7 (White hot, Black hot, Red hot, Ironbow, Rainbow HC, Rainbow, Lava)	
Image modes	Thermal, Visual image, Fusion, PIP	
On screen analyzer	Point 5/Line 1/Rectangle 3/Circle 3	
Digital camera resolution	2MP	
Digital zoom	2x, 4x	
Hi/Lo temperature alarm	Icon, LED flashlight	
Isotherm	6 (Auto/Ratio/Below/Above/Section/Manual)	
PC software analysis	√	
Wi-Fi	√	
General Characteristics		
Battery	Detachable Li-ion battery pack(3.7V 5200mAh)	
Battery operation Time	≥ 4 hours (without Wi-Fi)	
USB	Type-C	
IP rating	IP54	
Storage	16GB Micro SD card	
Image/Video storage format	JPEG	
Product net weight	630g	
Product size	260mmx97mmx99mm	
Certificates	CE, UKCA, FCC, RoHS	
Drop proof	2m	
Packing Details		
Standard accessories	Micro SD card, Type-C USB cable, English manual, Li-ion battery pack, Documents download operation guide card	
Standard individual packing	Toolbox, Gift box	
Standard quantity per carton	1	
Standard carton size	400mmx185mmx345mm	
Standard carton G.W.	3.6kg	