

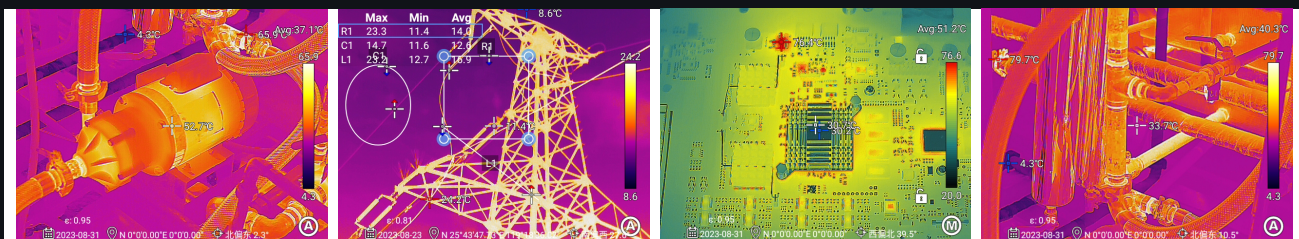
UNI-T®

UTi384J/UTi640J

Professional Enhanced Thermal Camera



Featuring a built-in high-sensitivity infrared detector up to 640×480 pixels, and a 13MP digital camera. The high-precision thermal camera designed specifically for the industrial field helps users intuitively view the hidden thermal abnormalities. 30Hz infrared frame rate for fast and accurate access to more temperature data of moving targets. Auto focus is also supported, fearless of the distance.



Electrical Equipment

Power Tower

PCB R&D

Pipeline Inspection

Specifications

Model	UTi384J		UTi640J	
Technical Data				
Display	4.3" LCD Touch (800x480)			
IR resolution (Pixels)	384×288		640×480	
Super resolution	√(768×576)		√(1280×960)	
Frame rate	30Hz / 9Hz			
Thermal sensitivity(NETD)	≤40mK			
Focus	Manual / Automatic / Touch autofocus / Continuous autofocus			
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			
Functions				
On screen analyzer	10 Points/10 Lines/10 Rectangles/10 Circles		16 Points/16 Lines/16 Rectangles/16 Circles	
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer			
HI/LO temperature tracking	√			
Digital camera resolution	8MP		13MP	
Digital zoom	1.1x~10x		1.1x~20x	
Video/voice recording	√			
Wi-Fi/Bluetooth	√			
Analysis software	PC+APP			
General Characteristics				
Battery	3350mAh detachable Li-ion battery pack × 2			
Operating time	≥5 hours (with Wi-Fi off)		≥4 hours (with Wi-Fi off)	
USB	Type-C			
Storage	64GB Internal & 64GB Micro SD card			
Image storage format	JPG with temp. data			
Video storage format	MP4 & Irgd			
Protection	IP54 & 2m drop proof			
Languages	ZH, TC, EN, FR, DE, ES, IT, RU, PL, KR, PT, TR, TH, NO, CZ, HU, JP, AR			

Interchangeable Lens

UTi384J

6.0mm, F/1.0 	17.5mm, F/1.0 	37.5mm, F/1.0 	500°C~2000°C 	10.5mm, F/1.0 
UT-2018 Wide-angle lens 44°×34°	UT-2019 Medium tele lens 15°×11°	UT-2020 Tele lens 7°×5°	UT-2021 High-temp lens 25°×19°	UT-2022 Standard lens 25°×19°

UTi640J

16.2mm, F/1.1 	10.0mm, F/1.1 	29.0mm, F/1.1 	62.9mm, F/1.3 	500°C~2000°C, F/1.0 	17.7mm, F/1.0 
UT-2006 Marco lens	UT-2007 Wide-angle lens 44°×34°	UT-2008 Medium tele lens 15°×11°	UT-2009 Tele lens 7°×5°	UT-2010 High-temp lens 25°×19°	UT-2011 Standard lens 25°×19°



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