

UNI-T

UTi760X

Expert Thermal Imager



Interchangeable
Lens



Automatic Lens
Calibration



Multiple Focus
Modes



Super resolution



T-Mix



High-accuracy
Measurement



5" Touch Screen



-20°C~2200°C



Smart Meter



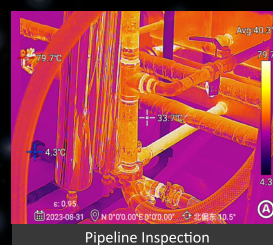
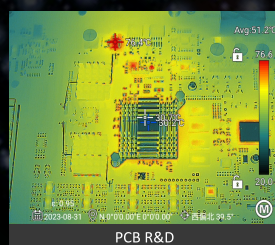
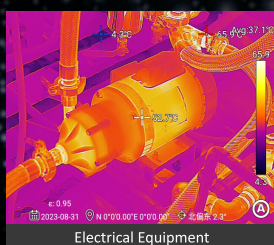
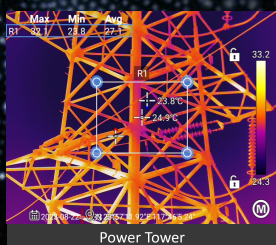
AI Voice



Laser Rangefinder



OTA Upgrade



Specifications

Model No.		UTi760X				
Technical Data						
Display	5" IPS Touch (1280×720)					
IR resolution(Pixels)	640×512					
Super resolution(Pixels)	1280×1024					
Spectral range	7.5~14μm					
Pixel size	12μm					
Frame rate	30Hz					
Thermal sensitivity(NETD)	35mK					
Focus mode	Continuous AF/Semi-auto Focus/Laser Assisted Focus/Touch AF/Manual Focus					
Focusing time	<2s					
Lens recognition	√					
Lens calibration	√					
Lens	Wide-angle	Marco	Standrad	Medium Tele	Tele	High Temp.
Lens focal length	9.6mm	18mm	18mm	36mm	62.8mm	18mm
Aperture	F1.0	F1.1	F1.0	F1.0	F1.3	F1.0
Field of view(FOV)	46°(H)×37°(V)	—	24°(H)×19.5°(V)	12°(H)×9.7°(V)	7°(H)×5.6°(V)	24°(H)×19.5°(V)
Spatial resolution(IFOV)	1.28mard	≤50μm	0.66mard	0.33mard	0.19mard	0.66mard
Minimum imaging distance	0.1m	29.8mm	0.15m	1m	2m	0.15m
Temperature measurement range	Conventional Lens: -20°C~1200°C High Temp. Lens: 500°C~2200°C					
Accuracy	±2°C (-10~0°C), ±1.0°C or ±1.0% (0~120°C), ±1.5°C or ±1.5% (120~1200°C) ±1.5°C or ±1.5% (Other range, room temperature 25°C, conventional lens)					
Functions						
Color palettes	White Hot, Black Hot, Red Hot, Ironbow, Rainbow, Rainbow HC, Lava. Customized palette & color inversion are supported					
Image modes	Thermal, Visual image, Fusion, T-Mix, PIP, dual-channel image					
On screen analyzer	16 Points/16 Lines/16 Rectangles/16 Circles. T-select is supported					
Level & span	Auto/Manual/Touch					
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer					
ROI correction	Supports regional emissivity correction					
Digital camera resolution	13MP					
Digital zoom	√	Photo capturing/video recording			√	
Full-screen thermal radiometric video stream	√	QR code scanning			√	
T-Sharp	√	T-Contrast			√	
AI voice	√	Text/voice annotation			√	
Smart meter	√	OTA upgrade			√	
HDMI display extension	√	WiFi/Wi-Fi live streaming			√	
Bluetooth	√	Laser pointer/LED lighting			√	
LRF	0.1~50m (Class 2, red)					
Analysis software	PC+APP					
General Characteristics						
Battery	7.2V/5000mAh rechargeable & detachable Li-ion battery pack(UT-M25)					
Operating time	≥5 hours					
Charging system	Type-C direct charging / Independent charging of the battery pack					
Charging time	Charging to 90% in 2.5 hours (Power off charging or independent charging of the battery pack)					
USB	Type-C USB, Micro HDMI					
Storage	Built-in 128G, support SD expansion					
Image storage format	JPG					
Video storage format	MP4/UIR					
Working temperature	-20°C~55°C					
Storage temperature	-40°C~60°C					
Working humidity	10%~95%RH, noncondensing					
Protection	IP54 & 2m drop proof					
Certificates	CE, FCC, RoHS					
Languages	EN, FR, DE, IT, ES, SV, PL, CZ					



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