

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



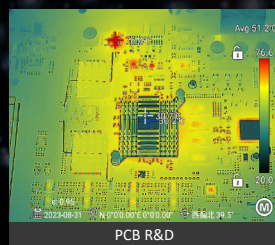
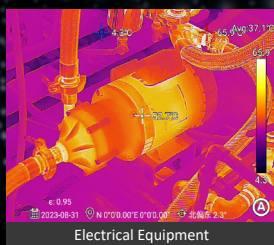
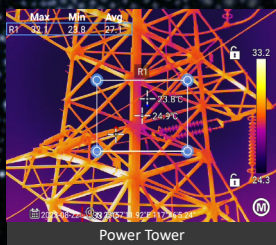
AI Voice



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	Standrad	Medium Tele	Tele	High Temp.
Lens focal length	9.6mm	18mm	36mm	62.8mm	18mm
Aperture	F1.0	F1.0	F1.0	F1.3	F1.0
Field of view(FOV)	46°(H)×37°(V)	24°(H)×19.3°(V)	12°(H)×9.6°(V)	7°(H)×5.6°(V)	24°(H)×19.3°(V)
Spatial resolution(IFOV)	1.28mard	0.66mard	0.33mard	0.19mard	0.66mard
Minimum imaging distance	0.1m	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) ±2°C or ±2% (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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