



UNI-T®

UTi712S/UTi712S+/UTi716S

Entry-level Portable Thermal Camera

Introduction

S series products are cost-effective portable thermal cameras with multi-languages OS. The sturdy and durable quality build has IP54 certificates and can withstand the drop of 2m height. 4 buttons design is easy-to-use. Benefited by the wide temp. measurement range and the built-in illuminator and laser pointer, widely applies in HVAC, electrical utilities, mechanical inspection, and automotive maintenance.

Features

- 2.4" display
- Wide temp. measurement range
- Rich color palettes
- With illuminator and laser pointer
- Simple buttons design
- Ultra-long battery life
- Multi-languages OS
- PC analysis software



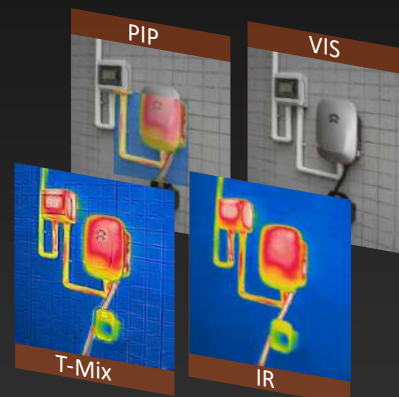
Super resolution

Powered by Super resolution image enhancement technology, IR image quality can be improved in 4x.

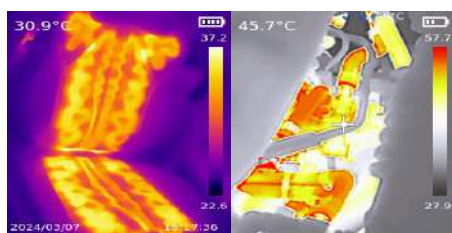


T-Mix

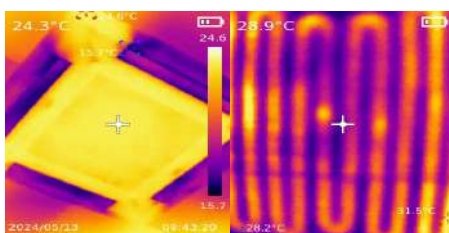
Inject the visible details into IR images without weakening the image quality.



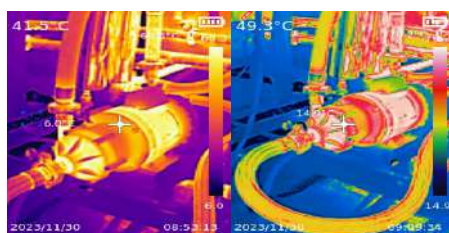
Applications



Automotive Inspection



HVAC



Mechanical Maintenance

Specifications

Model No.	UTI712S	UTI712S+	UTI716S
Technical Data			
Display	2.4" TFT (320×240)		
IR resolution(Pixels)	120×90	120×90	160×120
Super resolution(Pixels)	—	240×180	320×240
Pixel size	17μm	17μm	12μm
Frame rate	≤25Hz		
Thermal sensitivity(NETD)	≤60mK	≤60mK	≤50mK
Focus	Focus Free		
Field of view(FOV)	50°(H) × 38°(V)	50°(H) × 38°(V)	40°(H) × 30°(V)
Temperature measurement range	-20°C~400°C	-20°C~550°C	-20°C~550°C
Accuracy	±2°C or ±2% whichever is greater		
Functions			
Color palettes	White Hot, Black Hot, Ironbow, Lava, Rainbow, Rainbow HC		
Image modes	Thermal	Thermal	Thermal, Visual image, T-Mix Fusion, PIP
Temperature compensation	√	√	—
HI/LO temperature alarm	LCD animation, LED flashlight, Buzzer		
HI/LO temperature tracking	√		
Digital camera resolution	—	—	2MP
Laser pointer	√		
LED lighting	√		
Analysis software	PC		
General Characteristics			
Battery	2600mAh rechargeable Li-ion battery		
Operating time	≥8 hours	≥13 hours	≥6 hours
USB	Type-C		
Storage	32GB Micro SD card	Approx. 2300 photos saved	Built-in 32GB
Image storage format	BMP	Radiometric JPEG	Radiometric JPEG
Protection	IP54 & 2m drop proof		
Certificates	CE, UKCA, FCC, RoHS, FDA	CE, FCC, RoHS	CE, FCC, RoHS, FDA
Languages	EN, FR, DE, ES, RU	EN, FR, DE, ES, IT, SV, PL, CS	EN, FR, DE, ES, IT, SV, PL, CS
Weight	316g	313g	326g
Dimension	197mm×72mm×60mm		



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