



UNI-T®

UTi712S/UTi716S

Entry-level Portable Thermal Camera

Introduction

UTi712S and UTi716S 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.

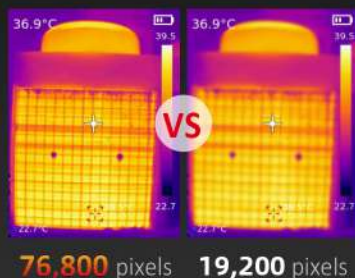
Features

- 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



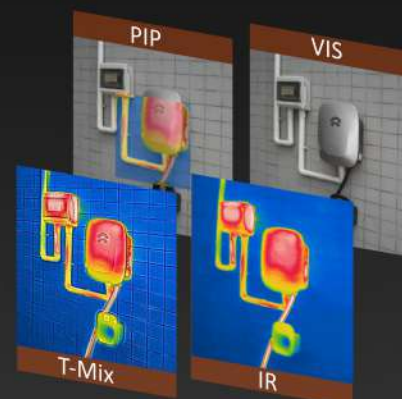
Super resolution

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

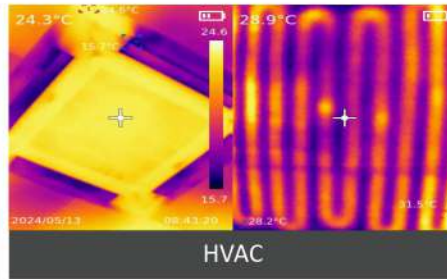
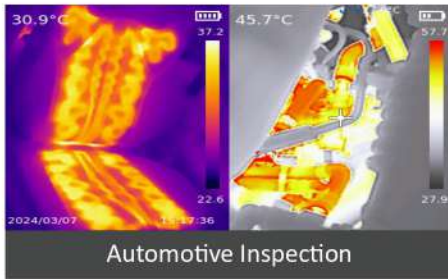


T-Mix

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



Applications



Specifications

Model No.	UTi712S		UTi716S	
Technical Data				
Display	2.4" TFT (320×240)			
IR resolution(Pixels)	120×90		160×120	
Super resolution(Pixels)	—		√(320×240)	
Pixel size	17μm		12μm	
Frame rate	≤25Hz			
Thermal sensitivity(NETD)	≤60mK		≤50mK	
Focus	Focus Free			
Field of view(FOV)	50°(H) × 38°(V)		40°(H) × 30°(V)	
Temperature measurement range	-20°C~400°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, Visual image, Fusion (T-Mix), PIP	
Temperature compensation	√		—	
Hi/Lo temperature alarm	LCD animation, LED flashlight, Buzzer			
Hi/Lo temperature tracking	√			
Digital camera resolution	—		2MP	
Laser pointer / LRF	√ / —		√ / —	
LED lighting	√			
Analysis software	PC			
General Characteristics				
Battery	2600mAh rechargeable Li-ion battery			
Operating time	≥8 hours		≥6 hours	
USB	Type-C			
Storage	32GB Micro SD card		32GB Internal	
Image storage format	BMP		JPG	
Protection	IP54 & 2m drop proof			
Certificates	CE, UKCA, FCC, RoHS		CE, FCC, RoHS	
Languages	EN, FR, DE, ES, RU		EN, FR, DE, ES, IT, SV, PL, CZ	
Weight	316g		326g	
Dimension	197mm×72mm×60mm			



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