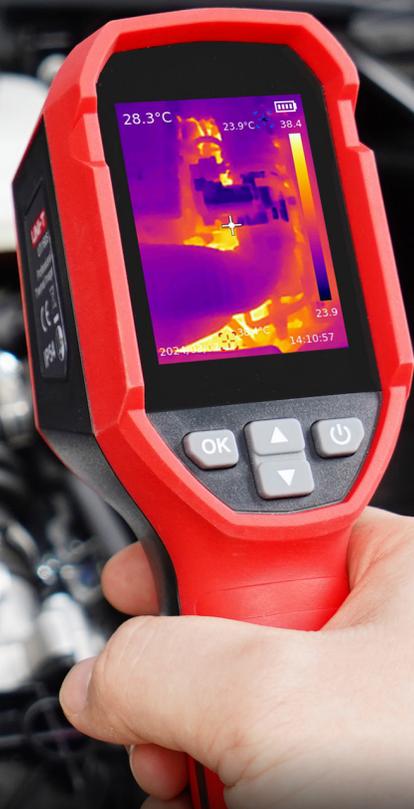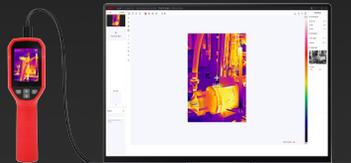# UTi712S/UTi716S

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. Benifited by the wide temp. measurement range and the built-in illuminator and laser pointer, widely applies in HVAC, electrical utilities, machanical 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
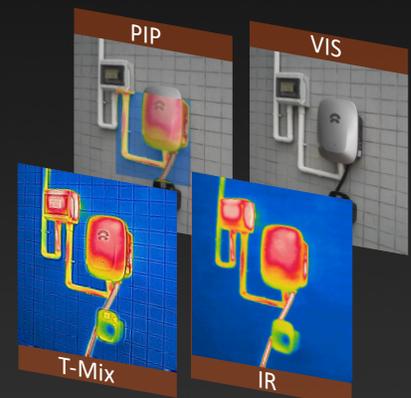- Multi-languages OS
- PC analysis software

Super resolution

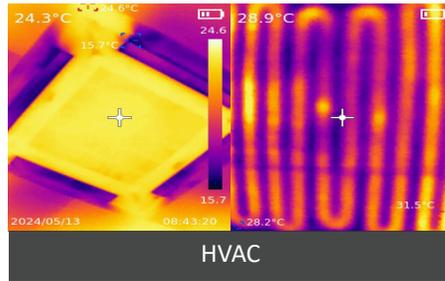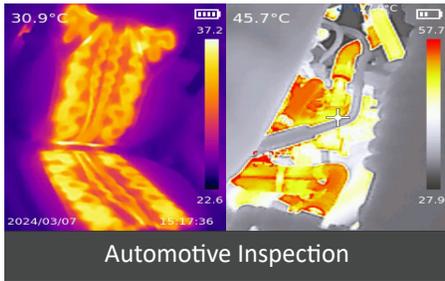Powered by Super resolution image enhancement technology, IR image quality can be improved in 4×.

VS

76,800 pixels   **19,200** pixels

T-Mix

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

PIP

VIS

T-Mix

IR

Applications

| Automotive Inspection | HVAC | Mechanical Maintenance |

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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Para mayor información puede consultar el manual de usuario dando clic en el siguiente enlace:
https://thermal.uni-trend.com/download/uti716s-qsg-multi-languages/?wpdmdl=4230&refresh=68669d4abb9161751555402