

# 400×300

# UNI-T®



## UTi740MS

Thermal Imager for Smart Phone

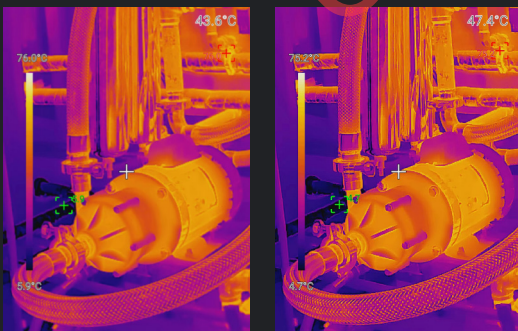


## TROUBLESHOOTING ALL IN CONTROL

UTi740MS features a high-sensitivity (NETD<45mK) VOx detector with 400×300 pixels of IR resolution. With the blessing of Super resolution function, quality of thermal images can be real-time improved in 4x. The manual focus design can meet the inspection requirements at various distances. Install an APP only to transform your phone into a professional thermal camera instantly. A handy measurement tool for building diagnosis and HVAC inspection.

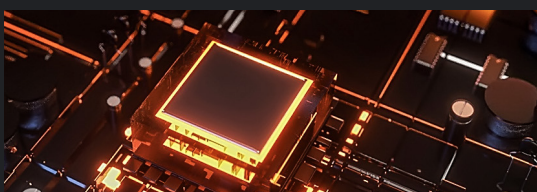
### Clear Imaging

Quality of thermal images can be real-time improved in 4x and show more details when Super-resolution is on.



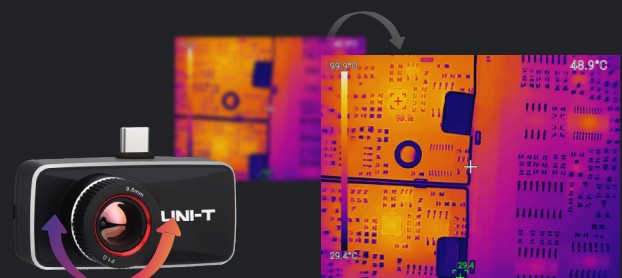
### High-performance Detector

Features a 12μm IR detector with 400×300 pixels.



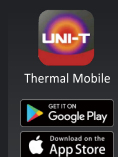
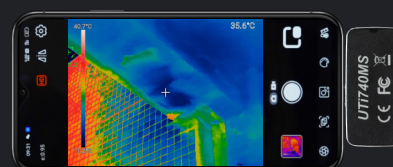
### Manual Focus

Adjust the focusing ring manually until the imaging is clear to meet measurement requirements at various distances.



### Plug & play with "Thermal Mobile" APP

With user-friendly operation interface.



## Applications



Distribution Cabinet Inspection



Electrical Industry Inspection



Equipment Diagnosis



PCB R&D

## Specifications

| Model No.                     | UTi740MS                                                                                                             |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Technical Data</b>         |                                                                                                                      |
| Detector type                 | UFPA (Vanadium oxide)                                                                                                |
| IR resolution(Pixels)         | 400×300                                                                                                              |
| Super resolution(Pixels)      | √ (800×600)                                                                                                          |
| Pixel size                    | 12μm                                                                                                                 |
| Frame rate                    | ≤25Hz                                                                                                                |
| Thermal sensitivity(NETD)     | ≤45mK @25℃                                                                                                           |
| Focus                         | Manual Focus                                                                                                         |
| Field of view(FOV)            | 29°(H) × 21.5°(V)                                                                                                    |
| Lens focal length             | 9.5mm                                                                                                                |
| Measurement modes             | Industrial & EST screening                                                                                           |
| Temperature measurement range | -20℃~550℃                                                                                                            |
| Accuracy                      | Industrial: ±2° or ±2% whichever is greater (-10℃~550℃) EST: ±0.5° (20℃~50℃)                                         |
| Color palettes                | Ironbow, White Hot, Black Hot, Red Hot, Lava, Rainbow, Rainbow HC                                                    |
| Image modes                   | Thermal, Fusion, PIP                                                                                                 |
| On screen analyzer            | 5 Points/1 Lines/3 Rectangles/3 Circles                                                                              |
| Hi/Lo temperature alarm       | LCD animation & Buzzer                                                                                               |
| Hi/Lo temperature tracking    | √                                                                                                                    |
| Video recording               | √                                                                                                                    |
| Isotherm                      | Auto/Below/Above/Section/Manual                                                                                      |
| USB                           | Type-C                                                                                                               |
| Image storage format          | JPG                                                                                                                  |
| Video storage format          | MP4                                                                                                                  |
| Certificates                  | CE, FCC, RoHS                                                                                                        |
| Languages                     | ZH, EN, FR, DE, IT, ES, SV, PL, CZ                                                                                   |
| Weight                        | 46g                                                                                                                  |
| Dimension                     | 58mm×27mm×28.6mm                                                                                                     |
| Standard accessories          | Type-C extension cable, Hand Strap, Cleaning Cloth, Cloth Bag, Quick Start Guide, Documents Download Operation Guide |
| Standard individual packing   | Gift box                                                                                                             |
| Standard Qty per carton       | 20pcs                                                                                                                |
| Standard carton size          | 515mm×315mm×335mm                                                                                                    |
| Standard carton G.W.          | 7.2kg                                                                                                                |



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