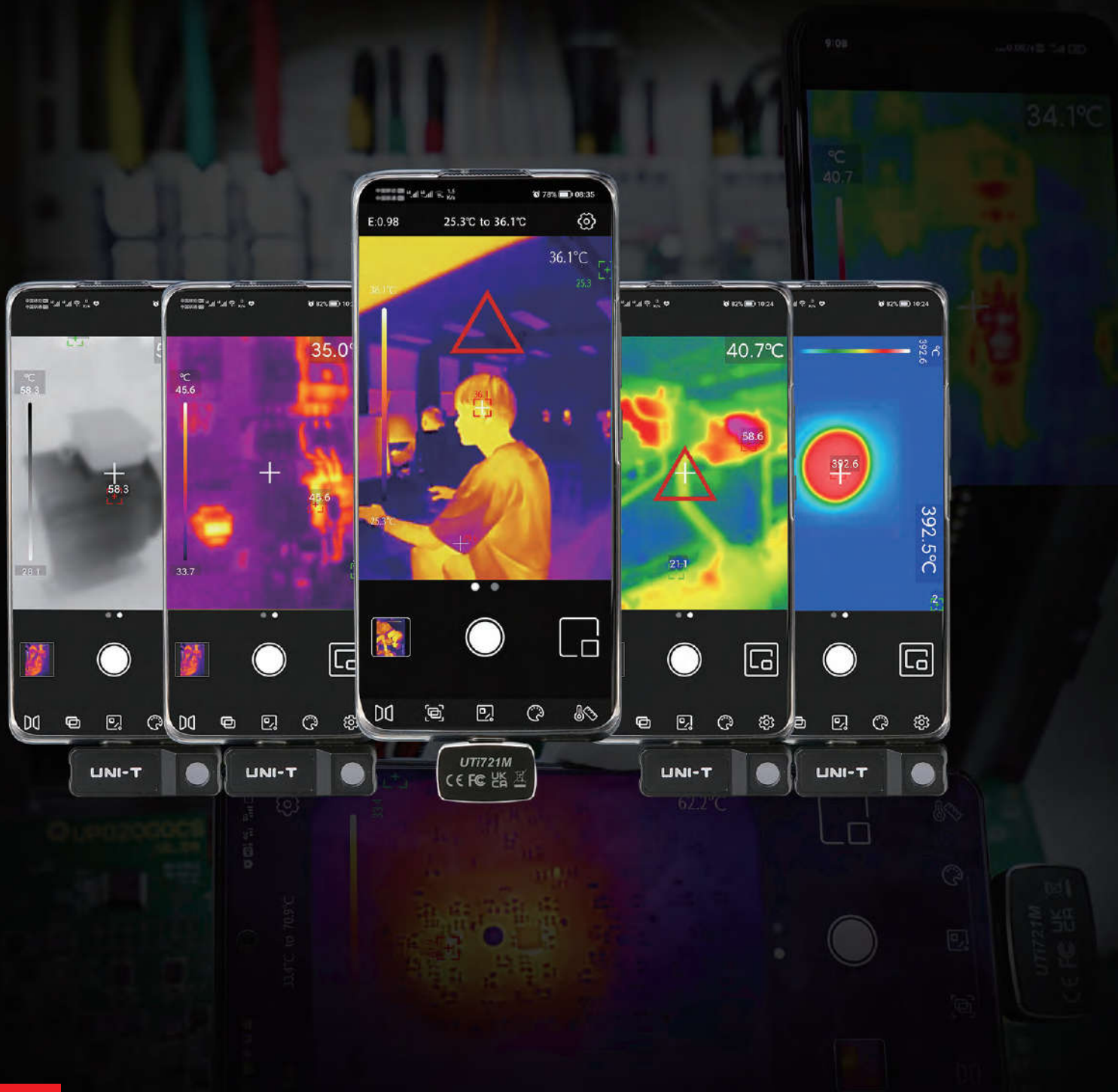


Smartphone Thermal Cameras

Smartphone thermal cameras are small sized and lightweight in design, converting mobile devices into professional thermal cameras. A user-friendly Mobile App is also included for image viewing, download and analysis.



UTi120M/UTi721M

Smartphone thermal camera

UTi120M is a professional thermal camera module for smartphones, which is compact, portable, and easy to operate through connecting with mobile phones. UTi120Mobile provides clear image with a fast response, and can also detect temperature up to 400°C. Users can troubleshoot HVAC problems or investigate heat source issues around the house faster and easier with this thermal camera module.



■ UTi721M



■ UTi120M

- IR resolution: **120x90 (UTi120M) 256x192 (UTi721M)**
- Temperature measurement range: **-20°C to 400°C (UTi120M) -20°C to 500°C (UTi721M)**
- Auto alarm and tracking for high/low temperature
- On screen analyzer: Point 6/Line 6/Rectangle 6/Circle 6
- Video recording
- Image modes: Thermal, Fusion, PIP
- Color palettes: 7 (White hot, Black hot, Red hot, Ironbow, Lava, Rainbow, Rainbow HC)
- Operating system: Android (USB Type-C interface)
- 1m extension cable

» Multiple connection modes

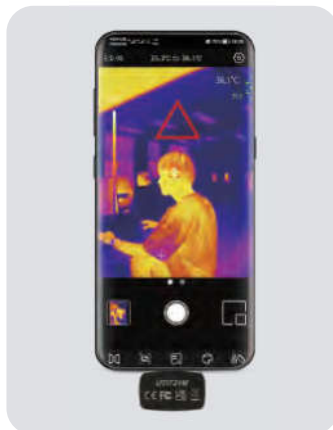
1 Type-C extension
USB cable connection



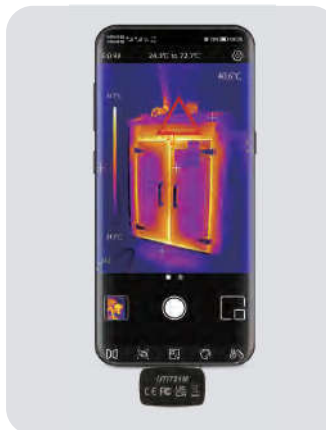
2 Micro USB
adpter connection



3 Direct connection
(Type-C interface)

» Two measurement modes of UTi721M

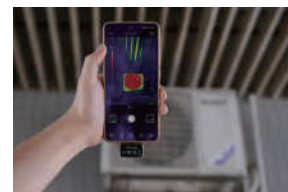
For Elevated Skin Temperature






For Industry

Applications

PCBA inspection, power distribution cabinet inspection, house water leakage inspection, pipeline inspection, HVAC & Building, Outdoor&night vision, elevated skin temperature etc.



Specifications

| Model No. | UTi120M | UTi260M |
|-------------------------------------|---|---|
| Product Photo |  |  |
| Technical Data | | |
| IR resolution (Pixels) | 120x90 | 256x192 |
| Field of view (FOV) | 50°x38° | 56.0°x42.2° |
| Thermal sensitivity (NETD) | ≤60mK @25°C | ≤50mK @25°C |
| Spatial resolution (IFOV) | 7.3mrad | 3.8mrad |
| Frame rate | ≤25Hz | ≤9Hz |
| Focus | Focus free | Focus free |
| Lens focal length | 2.28mm | 3.2mm |
| Temperature measurement range | -20°C~400°C | -20°C~550°C |
| Temperature scale | — | Low gain: -20°C~150°C High gain: 0°C~550°C |
| Measurement modes | — | Industry, EST(Elevated Skin Temperature) |
| Accuracy | ±2° or ±2% whichever is greater | Industry: ±2° or ±2% whichever is greater (0°C~550°C) EST: ±0.5° (30°C~40°C) |
| Emissivity | 0.01~1.00 adjustable | 0.01~1.00 adjustable |
| Functions | | |
| Color palettes | 7 (White hot, Lava, Ironbow, Black hot, Red hot, Rainbow, Rainbow HC) | |
| Image modes | Thermal, Fusion, PIP | |
| On screen analyzer | Point 6/Line 6/Rectangle 6/Circle 6 | |
| Auto alarm for high/low temperature | √ | |
| Video recording | √ | |
| General Characteristics | | |
| USB | Type-C | Type-C |
| Drop proof | 2m | 1m |
| Image/Video storage format | JPEG | JPEG |
| Certificates | CE, FCC, RoHS | CE, FCC, RoHS |
| Product net weight | 25g | 12g |
| Product size | 53mm×18.2mm×18.5mm | 33mm×28.2mm×11.3mm |
| Packing Details | | |
| Standard accessories | Micro USB adapter, Type-C male to female extension USB cable, English manual |  |
| Standard individual packing | Gift Box | |
| Standard quantity per carton | 20pcs (UTi120M); 10pcs (UTi721M) | |
| Standard carton size | 290mm×265mm×325mm | |
| Standard carton G.W. | 4.8kg(UTi120M); 4.8kg (UTi721M) | |