

Product Datasheet - Technical Specifications



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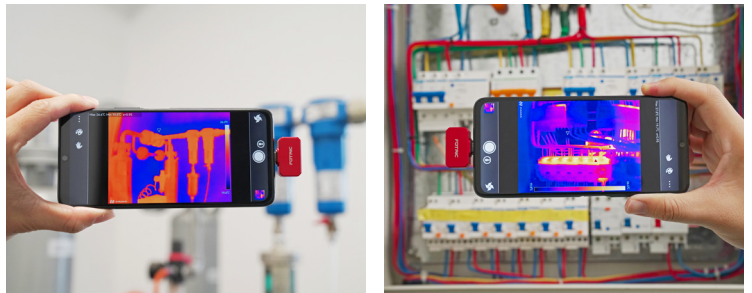
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Your First Glimpse into the Infrared World



FOTRIC TA3
Plug-in Thermal Camera



| Designed for the Big Picture

- Takes vivid images with 256*192 thermal resolution.
- 56° Field of view, more information, broader perspective.

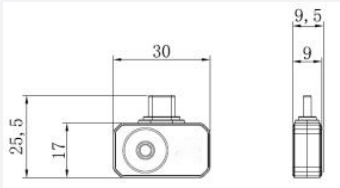
| Intuitive and Ready to Go

- Take 1 second to plug it in and start shooting.
- Powered by your phone, so it always keeps going.

| Compact Size, Extensive Power

- With the size of a dollar coin, it never gets in the way of your operation.
- Resizable and movable PIP feature, allows seamless fusion between the thermal and digital view.
- 10 color palettes, offers more ways to look at the infrared world.
- Temperature range from -10 to 550°C , from hunting, to electrical inspection, to furnace inspection, the limit is your imagination.

Specifications

| | |
|--------------------------------------|--|
| Model | FOTRIC TA3 |
| Detector | |
| Resolution | 256*192 |
| Detector Pitch | 12μm |
| NETD | ≤ 50mK@25° C |
| Spectral Band | 8 ~ 14μm |
| Performance | |
| Frame Rate | 25Hz |
| Operating Temperature | -10° C ~ 55° C |
| Storage Temperature | -40° C ~ 85° C |
| Typical Power Consumption | 350mW |
| Lens | |
| Focal Length | 3.2mm |
| Aperture | F1.1 |
| Field of View | 56.0° (H) x 42.2° (V), 71.3° (D) |
| Focus Type | Fixed Focus |
| Temperature Measurement | |
| Temperature Range | -10° C ~ 150° C , 50° C ~ 550° C (Uncalibrated below 0° C) |
| Accuracy | ±3° C or ±3% of reading whichever is greater |
| Temperature Measurement Compensation | Distance, Ambient Temperature, Emissivity |
| Enclosure | |
| Dimension | Unit: mm  |
| Color | FOTRIC Red |
| Weights | Approx. 10g |
| Connection Interface | USB type-C |
| Software Functions | |
| Palettes | 10 |
| Temperature measurement tools | Point, line and area temperature measurement tools |
| Compatibility | Android 6.0 and above cell phones |
| Software Updates | Online update |
| Package Accessories | |
| Package color | Black |
| Package Dimensions | 135mm x 105mm x 48mm |
| Accessories | Portable Storage Case, Quick Start Guide |