

## MiniE Thermal Imager



MiniE is your affordable solution for home inspection and thermal troubleshooting. With its advanced features like SuperIR image enhancement and precise temperature readings, identifying problem areas and making informed decisions have never been easier. Customize your image effects with the support of a custom palette. Plus, its compatibility with both iOS and Android devices makes it a convenient and reliable tool for thermal imaging. Whether you're a homeowner or a DIY enthusiast, the MiniE is the versatile smartphone thermal camera that will assist you in all your thermal imaging needs.

### ▪ Features

- Thermal resolution: 96 × 96 (9, 216 pixels)
- SuperIR image enhancement technology on live view and captured images
- 3-in-1: USB-C (iOS & Android), Lightning (Includes a Lightning to USB-C adapter)
- NETD: < 50 mK (@ 25 °C, F#=1.0)
- Accuracy: ±2°C (-20 °C to 100 °C) ; ±2 % (100 °C to 400 °C)
- 20 g Weight

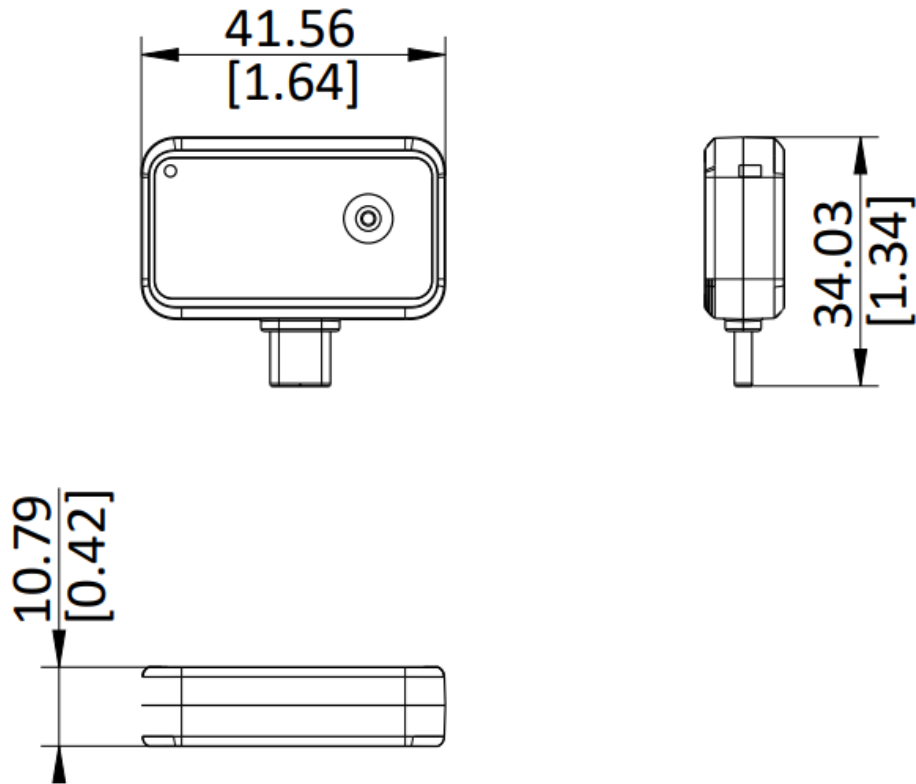
## ▪ Specification

| Infrared Image            |                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| IR Resolution             | 96 × 96 (9, 216 pixels)                                                                                                       |
| SuperIR                   | Yes, on captured images and live view                                                                                         |
| NETD                      | < 50 mK (@ 25 °C, F#=1.0)                                                                                                     |
| Image Frequency           | 25 Hz                                                                                                                         |
| Detector Pitch            | 12 μm                                                                                                                         |
| Spectral Range            | 7.5 to 14 μm                                                                                                                  |
| Focal Length              | 1.35 mm                                                                                                                       |
| F-number                  | F1.0                                                                                                                          |
| Field of View (FOV)       | 50° × 50°                                                                                                                     |
| Min. Focus Distance       | 0.1 m (0.33 ft)                                                                                                               |
| Focus Mode                | Focus Free                                                                                                                    |
| Image Display             |                                                                                                                               |
| Color Palettes            | White Hot, Black Hot, Rainbow, Ironbow, Sepia, Color, Ice Fire, Rain, Red Hot, Green Hot, Dark Blue, Combined, Custom Palette |
| Image Modes               | Thermal, PIP                                                                                                                  |
| Measurement and Analysis  |                                                                                                                               |
| Object Temperature Range  | Range -20°C to 150°C (-4°F to 302°F)                                                                                          |
|                           | Range 100°C to 400°C (212°F to 752°F)                                                                                         |
| Accuracy                  | Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)            |
| Measurement Tools         | Center Spot, Hot Spot, Cold Spot<br>User-definable: 3 spots, 3 rectangles and 1 line .                                        |
| Level and Span Mode       | Auto/Manual                                                                                                                   |
| General                   |                                                                                                                               |
| Power Consumption         | 310 mW                                                                                                                        |
| Interface                 | USB-C Android, USB-C iOS, Lightning iOS (Includes a Lightning to USB-C adapter)                                               |
| Device Compatibility      | iOS (version 14 and later), Android (version 7 and later) smartphones and tablets, or Windows devices                         |
| Software Compatibility    | HIKMICRO Viewer app for iOS and Android                                                                                       |
| Protection Level          | IP40                                                                                                                          |
| Drop Test Height          | 1 m (3.28 ft)                                                                                                                 |
| Working Temperature Range | -10°C to 50°C (14°F to 122°F)                                                                                                 |
| Storage Temperature Range | -20°C to 60°C (-4°F to 140°F)                                                                                                 |
| Dimension                 | 41.56 × 34.03 × 10.79 mm (1.64 × 1.34 × 0.42 in)                                                                              |
| Weight                    | Approx. 20 g (0.044 lb)                                                                                                       |

## ▪ Available Model

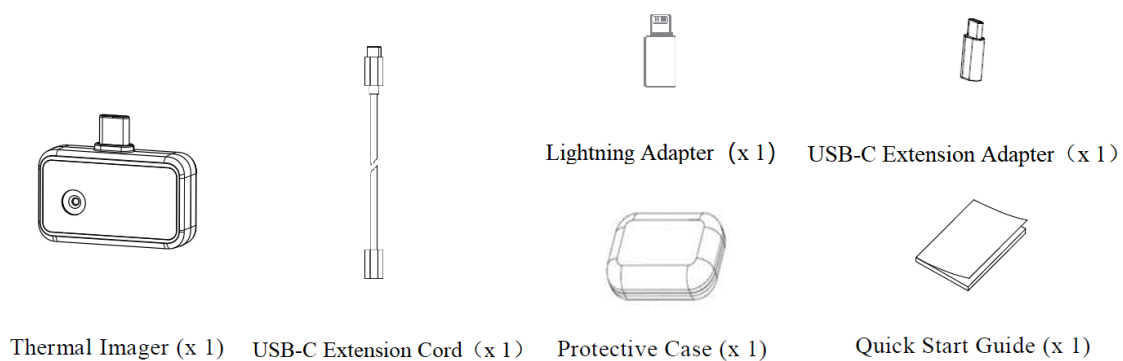
MiniE  
HM-TJ10-1ARF-MiniE  
HM-TJ10-1ARF-MiniE(E)

## ▪ Dimension



Unit: mm [inch]

## ▪ Packaging List



▪ **COMPLIANCE NOTICE:** The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



 Hikmicro Industrial

 hikmicro\_industrial

 HIKMICRO Industrial

 HIKMICRO

 [info@hikmicrotech.com](mailto:info@hikmicrotech.com)

 [www.hikmicrotech.com](http://www.hikmicrotech.com)

© Hangzhou Microimage Software Co., Ltd. All Rights Reserved.

\*Note: Specifications are subject to change without notice. For the current specs,  
please go to [www.hikmicrotech.com](http://www.hikmicrotech.com)