

# MobIR 2 Series AutoFocus Thermal Imager for Smartphone

The World's First AutoFocus Thermal Imager for Smartphone



## Introduce

MobIR 2 series is a new generation of infrared thermal imager for smartphone launched by Guide sensmart. Built-in the world's first autofocus WLP infrared module, with higher resolution and performance comparable to professional thermal imaging cameras. This product allows you to see things that you can't see with the naked eye, it can realize real-time temperature measurement, night vision, photography, video and other functions through the mobile phone APP. It is an all-round partner for your daily work, home life and adventure travel.

## Features and Benefits

- 256x192 resolution, Autofocus, Clearly no matter near or far.
- Type-C interface, Battery-free design, plug and play.
- $\pm 2^{\circ}\text{C}$  industrial-grade temperature measurement accuracy, comparable to professional testing tools.
- Human temperature measurement mode supports simultaneous temperature measurement by multiple people, which is efficient and safety.
- Outdoor night vision recognition range is more than 100 meters, farther and clearly.
- Multifunctions, complete APP functions, share at any time

## Application

- House Inspection
- Privacy Protection
- Outdoor Night Vision
- Fever Scanner
- Evaluation tool
- Scientific research

## Specifications



| Model   | MobIR 2T  |                              | MobIR 2S |
|---|---|------------------------------|----------|
| IR image & Optical                            |   |                              |          |
| IR resolution                                 | 256×192 @12μm WLP                                     |                              |          |
| Spectral                                      | 7.5~14μm  |                              |          |
| Lens  | Horizontal FOV 56°,Focus 3.2mm                        | Horizontal FOV 25°,Focus 7mm |          |
| Focus method                                  | Autofocus   |                              |          |
| Shutter method                                | Automatic built-in shutter                            |                              |          |
| Image Display                                 |   |                              |          |
| Frame Rate                                    | 25 FPS  |                              |          |
| Temperature Measurement                       |   |                              |          |
| Conventional temperature measurement Accuracy | ±2℃ or ±2% of reading                                 |                              |          |
| Conventional temperature measurement range    | -20℃~150℃   |                              |          |
| Human teperature measurement Accuracy         | ±0.5℃   | /                            |          |
| Human teperature measurement range            | 20-50℃  | /                            |          |
| Human teperature measurement min distance     | 0.5-2.5m  | /                            |          |
| Detection & Recognition Range                 |   |                              |          |
| Detection Range                               | /   | Human: 280m Vehicle: 640m    |          |
| Recognition Range                             | /   | Human: 100米 Vehicle: 220m    |          |
| Power   |   |                              |          |
| Input voltage                                 | USB power supply (voltage range: 4.5-5.5V)            |                              |          |
| Power consumption                             | <550mW (subject to actual measurement)                |                              |          |
| Interface                                     | USB Type-C male                                       |                              |          |
| Environmental Parameters                      |   |                              |          |
| Operating Temperature                         | -20℃-60℃  |                              |          |
| Storage Temperature                           | -40℃-85℃  |                              |          |
| Encapsulation                                 | IP43, 1-meter drop test(without the type-c interface) |                              |          |
| Certification                                 | CE/FCC/RoHS/Measurement report                        |                              |          |
| Standard Accessories                          | Thermal Imager/Carrying Box/Warranty Card/Use Manual  |                              |          |
| Weight  | ≤35g  | ≤40g                         |          |
| Size(without interface)                       | 59×23.55×16.38mm                                      | 59×23.55×20.38mm             |          |