

# 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
<b>IR image &amp; Optical</b>		
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	
<b>Image Display</b>		
Frame Rate	25 FPS	
<b>Temperature Measurement</b>		
Conventional temperature measurement Accuracy	±2°C or ±2% of reading	
Conventional temperature measurement range	-20°C~150°C	
Human teperature measurement Accuracy	±0.5°C	/
Human teperature measurement range	20-50°C	/
Human teperature measurement min distance	0.5-2.5m	/
<b>Detection &amp; Recognition Range</b>		
Detection Range	/	Human: 280m Vehicle: 640m
Recognition Range	/	Human: 100米 Vehicle: 220m
<b>Power</b>		
Input voltage	USB power supply (voltage range: 4.5-5.5V)	
Power consumption	<550mW (subject to actual measurement)	
Interface	USB Type-C male	
<b>Environmental Parameters</b>		
Operating Temperature	-20°C-60°C	
Storage Temperature	-40°C-85°C	
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