

MobIR 2 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

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

Application

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

Specifications



Product model	MobIR 2T		MobIR 2S		MobIR 2S (Macro Lens)	
Infrared detector						
Detector type	VOx					
Infrared resolution	256 × 192@12 μm					
Wavelength range	7.5 to 14 μm					
Frame rate	25 Hz					
Lens						
Focal length	3.2 mm		7 mm			
Field of view	56°		25°			
Focusing mode	Automatic / Electric					
Temperature measurement						
Measurement range	Industrial measurement: -20°C to 150°C; Human body: 20°C to 50°C		-20°C to 150°C			
Measurement accuracy	Industrial measurement range: ±2°C or ±2%, whichever is greater; Human body: ±0.5°C (Temperature Measurement Distance: 0.5-2.5m)		±2°C or ±2%, whichever is greater			
Measurement	Spot, line, area					
Macro function	/			Available*		
APP Functions						
Photo	Available					
Video	Available					
Color palettes	9 and 1 customized					
Instant sharing	Images, videos					
Power system						
Power supply	4.5 - 5.5 V					
Power consumption	500 mW					
Environmental parameters						
Working temperature	-10°C to 60°C					
IP rating	IP43					
Drop	1m drop test (without the type-c interface)					
Certification	CE, FCC, RoHS					
Physical parameters						
External interface	USB Type-C male					
Weight	≤35 g		≤40 g		≤50 g	
Size (L × W × H)	59 × 24 × 16 mm		59 × 24 × 20 mm			
Color	Silver/Grey					
Standard	A device, Carrying box, Wrist strap, User manual, Certificate of approval			A device, Carrying box, Wrist strap, User manual, Certificate of approval. Macro Lens		



*MobIR 2S Macro function				
Magnification	5X		10X	
Observed altitude(mm)	48.75	93.16	40.23	72.71
Visual range(mm)	20.26×15.2	38.33×28.75	15.87×11.9	29.95×22.46