

S1 Thermal Imager

256x192 resolution



The Entry-level Thermal Camera built into an Android Phone offering all the features of a phone but including a built-in thermal camera, Ideal for engineers who are entering into thermography for the first time.

Features a fixed focus 56x42 FOV, which can capture a variety of areas of concern when using it in multiple applications. It has an 256x192 IR detector which will deliver 49,152 pixels to the end-user's screen. It also features a 48MP Digital Camera allowing the device to be multifunctional. It has great storage for videos and images with a memory capacity of 256GB. It also has a good temperature range of $-20^{\circ}\text{C} \sim + 550^{\circ}\text{C}$.

Ideal for Hobbyists and professionals entering the world of infrared.

Key Features

- 256x192 IR Detector
- Fixed focus
- Android 13 Operating system (supports OTA system Upgrade)
- Temperature Range $-20^{\circ}\text{C} \sim + 550^{\circ}\text{C}$
- Suitable for all applications: Industrial, electrical, mechanical, plumbing, and entry-level engineers
- Touch screen, easy to use
- All standard Android features



S1 Specifications

Thermal Camera	
Detector Type	UFPA
Detector Resolution	256x192
Pixel Size	12µm
Field of View	55.6°x 42°
Measurement	
Temperature Range	-20°C ~ + 550°C
Accuracy	±2°C or ± 2% of readings
Device System	
CPU	Qualcomm Snapdragon SM 4350 (Snapdragon 480 5G platform)
CPU frequency	Octa-core 2xGold(A76 based)+6x Silver(A55 based)
Operating system	Android 13
Memory capacity	256GB eMMC + 8GB DDR4
Screen display	6.57-inch FHD+ (20:9 full screen), resolution 2520X1080
Rear camera	48 (64) MP main camera + 8MP depth of field. Support photo, video, panoramic photo, Auto focus, auto flash, HDK, continuous shooting, etc.
Battery capacity	5000-5500mAh, Support fast charge QC4.0 (built-in battery)
Image Presentation	
Image mode	Infrared/Visible/Fusion
Flash	Support + flashlight
Image Storage	
SIM Type	Two nano cards
Add-in card type	Support Micro TF
Physical Characteristics (Camera Body)	
Encapsulation	IP68
Shock/Vibration Resistance	25G
Size	81.5mm x170xmm (12+0.5) mm
Additional Features	
5G data connection	5G NR X51 modem (speed Depends on mmWAVE or Sub 6)
4G data connection	DL:2.0Gbps CAT20/UL:316Mbps CTA13
Fingerprint	Side fingerprint
GPS	Support GPS/Glonass/Galileo/Beidou+A-GPS
WLAN/Wifi	802.11 b/g/n 2.4 GHz, 802.11. a , 5 GHz, 802.11.ac, 5 GHz
Bluetooth	Bluetooth 5.1
Colour	Black

Please be aware specifications can vary from time to time

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