

S1

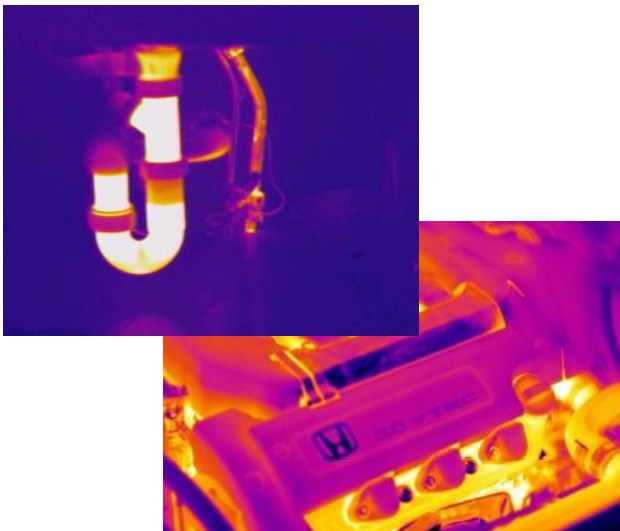
Smart Thermal Camera



The S1 is a Smart Thermal Camera from SATIR as a part of a new R&D development to make thermal imaging smart. It has an open android platform making it an easy to use device to suit all level of thermal imaging users.

It has an 256x192 IR detector which will deliver 49,152 pixels to the end-users 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 $-20^{\circ}\text{C} \sim +550^{\circ}\text{C}$. With a measurement accuracy of $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of readings



Key Features

- Smart Device Platform
- Open Android Platform
- Easy to Use Device
- 256x192 IR Detector
- 48MP Digital Camera
- Temperature Range of $-20^{\circ}\text{C} \sim +550^{\circ}\text{C}$

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