

MOBILE PHONE THERMAL IMAGER

M20



Picture HD 256x192 pixels



Low-Power Consumption $\leq 380\text{mW}$



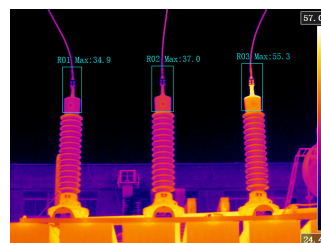
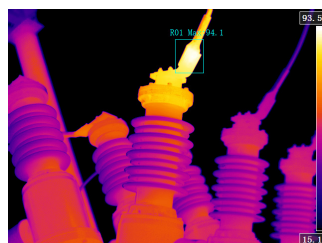
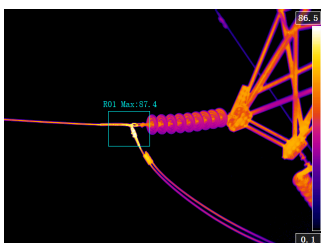
Better performance with $\pm 2^{\circ}\text{C}$ as accuracy



Support various palettes



Professional thermal analysis APP



SPECIFICATIONS

Model		M20
Detector type	Uncooled FPA, VOX material	
IR Resolution	256x192	
Thermal Sensitivity/NETD	<50mK(@25°C)	
Spectral Range	8~14μm	
Pixel size	12μm	
Focus	Fixed	
Focal Length	3.2 mm	
Minimum focusing distance	0.25m~5m or more	
Field of View	56°x42°	
Spatial Resolution (IFOV)	3.81mrad	
Image frequency	50Hz	
Image Display		
Palettes	Support various palettes such as Iron Red, White Heat, Black Heat, etc	
Image Enhancement	Support	
Temperature measurement		
Temperature measurement settings	Support 5 points, 5 lines, and 5 boxes	
Measuring range	-10°C~150°C, 0°C~550°C	
Temperature measurement accuracy	±2°C or 2% of readings, maximum value	
System parameters		
Operating temperature	-40°C~50°C	
Protection grade	IP54	
Weight	17g	
Dimensions	36.5x25x17mm	
Power	≤0.38W	
Power and data interface	TYPE-C	
Power input	DC5V	
Support system	Android 9.0 and above	
Secondary development	SDK development package provided	