



EK-R160M/R256M SMART MOBILE PHONE THERMAL IMAGER

Product Function

Can via the smart phone APP to measure temperature, night vision, take photo, video recording, etc

Product features

1. The temperature measurement range is from -20°C to 550°C, and 3 different temperature measurement units can be switched.
2. 15 different color palettes, which can be selected according to different scenarios and requirements.
3. Real-time temperature control alarm, customizable high and low temperature alarm thresholds, supports dual alarms including screen icon flashing and sound.
4. Multi-point intelligent measurement, flexibly configurable for displaying temperatures at 3 points, 3 lines, or 3 rectangular areas
5. Image mode is optional, offering the choice between thermal imaging and picture-in-picture display modes.
6. Equipped with infrared observation & temperature measurement, photo & video capture, image effect & temperature parameter adjustment functions



Technical Specification

Model	EK-R160M	EK-R256M
Resolution	160X120	256X192
Pixel Spacing	17μm	12μm
Focal Length	3.2mm	3.5mm
IFOV	5.31mrad	3.43mrad
Power Consumption	≤0.41W	≤0.38W
Sensor Dimensions	35mmX26mmX20mm	35mmX26mmX19mm
Sensor Weight	About 17.5g	About 15.5g
Data Port	Type-C USB	
Detector Type	Vanadium oxide (VOx) microbolometer	
Focal Adjustment Mode	Fixed focal	
Field Angle	50° X37.2°	
Working Wavelength	8~14μm	
NETD	≤40 mK(@25 °C,F#1.0)	
Image Frame Rate	25Hz	
Temperature Measured Range	Normal temp: -20~150°C; Auto: -20~550°C; High temp: 100~550°C	
Temp Accuracy	±2°C or ±2% of the reading, whichever is greater	
Distance	0.3~3m	
Temp Measure mode	Center/max point/min point/custom point/area Measure	
Operating Temperature	-10~50°C	
Storage Temperature	-20~60°C	
Accessories	Device:1PCS; Storage bag: 1PCS; Dust-free cleaning cloth: 1PCS	

