



EK-R160/R256 HANDHELD THERMAL IMAGER

Product Function

Can perform functions such as real-time image observation and temperature analysis.

Product features

1. The temperature measurement range is from -20°C to 550°C, and 3 different temperature measurement units can be switched.
2. 6 color palettes are available for selection, 4 image modes are available for selection, and 16G internal storage is provided.
3. Flashlight function, rechargeable battery.
4. Supports data upload on the PC end, facilitating analysis.

Technical Specification



Model	EK-R160	EK-R256
IR Resolution	160X120	256X192
Pixel Spacing	17μm	12μm
Focal Length	3.2mm	3.5mm
IFOV	5.31mrad	3.43mrad
Device Weight	About 396g(include battery)	About 396g(include battery)
Power Supply	3200mAh (Non-removable)	
Detector Type	Vanadium oxide (VOx) microbolometer	
IR Wavelength	8~14μm	
Image Frame Rate	25Hz	
NETD	≤40 mK(@25 °C,F#1.0)	
Focal Adjustment Mode	Fixed focal	
Field Angle	50° X37.2°	
Temperature Measured Range	-20°C~550°C	
Temp Accuracy	±2°C or±2% of the reading, whichever is greater	
Minimum Scale	0.1°C	
Temp Measurement Mode	Industrial temp measurement	
Temp Unit	°C/°F/K	
Temp Measurement Display	Center point/Max temp/Minimum temp	
Image Mode	IR/Visible/Fusion/Picture in picture	
Image/Video Format	JPEG/MP4	
Photo/Video	Support	
Language	Supports 10 Languages	
Storage Memory	16G	
Data Port	Type-C	
Charge Time	≤4h	
Power of Device	≤1.6W	
Work Time	≥6h	
Sensor Dimensions	231mmX79mmX85mm	
Operating Temperature & Humidity	-10~50°C ; 10%~90%RH Non-condensing	
Storage Temperature	-20~60°C	
Protection Level	IP54	
Certifications	CE, FCC, ROHS	
Accessories	Device:1PCS; Charger line: 1PCS; Sling: 1PCS	

