

PRODUCT FUNCTION

- Unlock real-time temperature measurement, night vision, photo taking, and video recording functions with a single click via mobile APP.

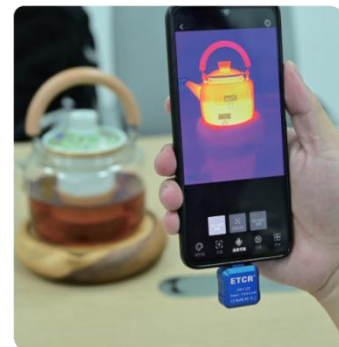
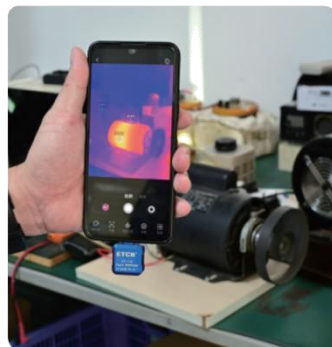
PRODUCT FEATURES

- Temperature measurement range: - 20°C ~ 550°C, three temperature ranges optional.
- 15 type color palettes available to suit different sites and requirement.
- Real-time temperature control alarm with customizable high and low temperature alarm thresholds; supports both screen icon flashing and audible alarms.
- Multi-point intelligent measurement, supporting flexible settings for 3-point, 3-line, and 3-rectangular temperature displays.
- Image modes optional, support thermal imaging/picture-in-picture image display options.
- With infrared observation & temperature measurement, photo & video recording, image effect & temperature parameter settings, and others functions.



TECHNICAL SPECIFICATION

Model	EM160M	EM256
Resolution	160 x 120	256 x 192
Pixel Size	17µm	12µm
Focal Length	3.2mm	3.5mm
IFOV	5.31mrad	3.43mrad
Power Consumption	≤ 0.41W	≤ 0.38W
Detector Type	Vanadium oxide (VOx) microbolometer	
Focal Adjustment Mode	Fixed focal	
Field Angle	50° x 37.2°	
Working Response Wave Band	8 ~ 14µm	
NETD	< 40mK (@25 °C, F#1.0)	
Image Frame Rate	25Hz	
Temperature Measured Range	Normal temperature: - 20 ~ 150°C; Automatic identification: - 20 ~ 550°C; High temperature: 100 ~ 550°C	
Temperature Accuracy	± 2°C or ± 2 % of the reading and take larger value	
Measure Distance	0.3 ~ 3m	
Temperature Measure mode	Center / max point / min point / custom point / area Measure	
Device Dimension	35mm x 26mm x 20mm	35mm x 26mm x 19mm
Device Weight	Approx. 17.5g	Approx. 15.5g
Working Temperature	- 10 ~ 50°C	
Storage Temperature	- 20 ~ 60°C	
Data Port	Type-C USB	
Accessories	Device*1PC; Storage bag*1PC; Dust-free cleaning cloth*1PC	



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Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.
Subject to technical change without notice.