

AEW256

WIRELESS INFRARED THERMAL IMAGING CAMERA

The AEW256 wireless handheld thermal imaging camera is a multifunctional thermal imager that integrates temperature measurement and imaging. It features a wide temperature range of -20°C to 550°C , making it suitable for various industries.

This device supports **wireless projection** and **real-time image temperature analysis**, offering **easy and intuitive operation**. Users can view images and conduct temperature analysis via the **mobile app**, enhancing work efficiency. The **AEW256 wireless handheld thermal imaging camera** is widely used in **HVAC inspection, electrical maintenance, equipment inspection, and circuit board repairs**, among other fields.



-20 to 550°C Temperature Measurement Range

Three selectable temperature ranges



High-Resolution Imaging

256 × 192 infrared resolution



Three Switchable Temperature Units

$^{\circ}\text{C}/^{\circ}\text{F}/\text{K}$ units can be switched



Real-time Temperature Alarming

Customizable high and low-temperature alarm thresholds with marker indication and dual alert (visual & audio)



6 Color Palettes

Selectable based on different scenes and requirements



Four Selectable Image Modes

Infrared/Visible Light/Fusion/Picture-in-Picture



Points, lines, and surface temperature analysis

Points, lines, and surface analysis objects can be added for comprehensive temperature analysis.



Product Specifications

Model	AEW256
Temperature Range	-20°C~550°C
Infrared Resolution	256×192
Temperature Measurement Sensitivity	0.1°C
Measurement Accuracy	±2°C or ±2% of reading (whichever is greater)
Detector Type	VOx Uncooled Microbolometer
Measurement Mode	Industrial Temperature Measurement
Emissivity	0.01~1.00
Infrared Wavelength Range	8~14μm
Pixel Size	12μm
Spatial Resolution	3.43mrad
Focal Length	3.5mm
Frame Rate	25Hz
Thermal Sensitivity	≤40 mK(@25 °C,F#1.0)
Focusing Method	Fixed Focus
Field of View (FOV)	50° × 37.2°
Temperature Units	°C/°F/K
Temperature Display	Displays 3 groups: point temperature, line/surface average temperature, max temperature, min temperature
Temperature Analysis	3 points, 3 lines, 3 areas (regions)
Isotherm Lines	√
Center Point Temperature Measurement	√
High/Low Temperature Tracking	√
High/Low Temperature Alarm	On-screen marker alarm / Audio alarm
Color Palettes	White Hot, Black Hot, Rainbow, Iron Red, Red Heat, Fusion
Image Modes	Infrared Mode, Visible Light Mode, Fusion Mode, Picture-in-Picture Mode
Photo/Video Recording	√
Image/Video Format	Image: JPEG / Video: MP4
Data Interface	Type-C
Supported Languages	Simplified Chinese, Traditional Chinese, English
Mobile App Support	Android 7.0 / iOS 12.0 and above
Battery	1100mAh Li-polymer battery (non-removable)
Charging Time	≤2h
Operating Time	≥2.5h
Operating Temperature	-10°C~50°C
Operating Humidity	10%~90%RH (non-condensing)
Storage Temperature	-20°C~60°C
Power Consumption	≤1.4 W
Certifications	CE, FCC, ROHS
Other Specification	
Product Dimensions	136.6mm×41mm×21.55mm
Product Weight	205g
Standard Accessories	Color box, user manual, Type-C data cable (1m)