

AEI80/AEI96/AEI96 Pro

HANDHELD INFRARED THERMAL IMAGING CAMERA

The AEI80/AEI96/AEI96 Pro is a multifunctional thermal imager that integrates temperature measurement and imaging functions. It covers a wide temperature range of -20°C to 550°C , making it suitable for both **low-temperature electronic maintenance** and **high-temperature inspections**.



-20 to 550°C Temperature Measurement Range
Three selectable temperature ranges



High-Resolution Imaging
 $80 \times 62 / 96 \times 96$ infrared resolution options are available



Visible light
More accurate target recognition in complex environments



Manual Flashlight Function
Auxiliary lighting, fearless in dark environments



Multiple Selectable Color Palettes
Switch seamlessly across different scenarios



TISR Modes
Supports TISR mode to capture more imaging details



Supports multiple language interfaces
Meeting global users' needs and enhancing experience



Rechargeable Battery
Fast charging meets users' long-duration measurement needs.



Product Specifications

Model	AEI80	AEI96	AEI96 Pro
Temperature Range	-20°C~550°C		
Infrared Resolution	80×62	96×96	96×96
Measurement Accuracy	±2°C or ±2% of reading (whichever is greater)		
Measurement Sensitivity	0.1°C		
Detector Type	CMOS	VOx	VOx
Measurement Mode	Industrial Temperature Measurement		
Emissivity	0.01~1.00		
Infrared Wavelength Range	8~14μm		
Pixel Size	35μm	12μm	12μm
Spatial Resolution	11.67mrad	8.89mrad	8.89mrad
Focal Length	3.0mm	1.35mm	1.35mm
Frame Rate	25Hz		
Thermal Sensitivity	150mK(@25 °C,F#1.0)	≤60 mK(@25 °C,F#1.0)	≤60 mK(@25 °C,F#1.0)
Focusing Method	Fixed Focus		
Field of View (FOV)	45°(H)×36°(V) /55°(D)	50°×50°	50°×50°
Temperature Units	°C/°F/K		
Temperature Display	Center Point, Max Temp, Min Temp		
Temperature Analysis	PC Analysis Tool	PC Analysis Tool	PC Analysis Tool
TISR		√ (Resolution: 240×240)	√ (Resolution: 240×240)
Isotherm Lines		√	√
Center Point Temperature Measurement		√	
High/Low Temperature Tracking		√	
High/Low Temperature Alarm	On-screen marker alarm		
Color Palettes	White Hot, Black Hot, Rainbow, Iron Red, Black Red, etc.	White Hot, Black Hot, Rainbow, Iron Red, Fusion	White Hot, Black Hot, Rainbow, Iron Red, Fusion
Visible Light Camera	30W		200W
Image Modes	IR, Visible, Fusion, PIP	IR	IR, Visible, Fusion, PIP
Image/Video Capture	Image	√	√
Image Format	JPEG	Image: JPEG / Video: MP4	Image: JPEG / Video: MP4
Flashlight	√		√
Data Interface	Type-C		
Languages	Simplified Chinese, English	Supports 10 Languages	Supports 10 Languages
WiFi			√
Storage	4G SD Card (Expandable)	4G SD Card (Expandable)	8G SD Card (Expandable)
Battery	Non-removable 2000mAh	Non-removable 3200mAh	Non-removable 3200mAh
Charging Time	≤3h	≤4h	≤4h
Operating Time	≥7h	≥7h	≥7h
Operating Temperature	-10~50°C		
Operating Humidity	10%~90%RH (non-condensing)		
Storage Temperature	-20~60°C		
Power Consumption	≤1W	≤1.4W	≤1.4W
Certifications	CE, FCC, ROHS		
Other Specification			
Display	2.4-inch		
Product Dimensions	225mm×70mm×86.5mm	231mm×79.2mm×84.9mm	231mm×79.2mm×84.9mm
Product Weight	303g	303g	303g
Standard Accessories	Color box, user manual, Type-C data cable (1m)		