

# AX2 AIR

## Wireless Thermal Camera for Smart devices

Equipped with a high-sensitivity 256×192 resolution infrared detector, the AX2 AIR can be freely combined or separated with a smartphone according to the scenarios. It supports 8m wireless image transmission and operation. With the supporting App for functions such as real-time analysis and transmission, the device can be widely used in electrical maintenance, equipment inspection, HVAC leak detection, and other fields.



### Product Highlights

#### Wireless Measurement, Unlocking New Scenarios

- Up to 8m\* wireless image transmission.
- Image transmission delay < 300ms.
- With 2 hours of battery life, productivity is always alive.

#### Clear Thermal Images, Precise Temperature Measurement

- Built-in 12μm 256×192 infrared detector, featuring low power consumption and small size.
- 40mK professional-grade high thermal sensitivity, capturing smaller temperature differences; wider temperature measurement range of up to 550°C.
- Four image modes + 7 palettes, suitable for temperature observation of different targets and different scenes.

#### Hard-core Configuration, Easy to Use and Convenient

- IP54 waterproof and dustproof, 2m drop protection, light and slim design that fits your hand, weighing only 132g.
- Faster Wi-Fi connection with the assistance of Bluetooth; OTA upgrade can be easily completed through the mobile app.
- Professional app that supports full-scenario applications such as real-time analysis and offline analysis of temperature measurement images.



### Specifications

#### Thermal Imaging

Detector Type	12μm uncooled infrared detector
Infrared Resolution	256×192
Spectral Band	7.5–14μm
Thermal Sensitivity (NETD)	<40mK (25°C, F1.0)
Frame Rate	25Hz
Lens Focal Length	3.2mm
FOV	56°×42°
Spatial Resolution (IFOV)	3.75mrad
Focus Mode	Fixed focus
Minimum Imaging Distance	0.3m
Measurement Range	-20°C~+150°C, 100°C~550°C
Measurement Accuracy	±2°C or ±2% of readings, whichever is greater.

#### Image Display

Visible Light Camera	2 megapixels
Palettes	7
Image Mode	Infrared, visible light, PIP, dual-spectrum fusion
Temperature Width Stretch	Auto

#### Measurement and Analysis

App Analysis Function	Central temperature point/Highes temperature point/Lowest temperature point, 1 preset analysis template (support 3 custom points, 3 custom lines, and 3 custom frames)
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#### System Functions

Communication Protocol	Wi-Fi, USB, Bluetooth
Remote Access and Control	Connection to smart devices via Wi-Fi, up to 8m away

#### Others

OTA	Support OTA upgrade
Battery	1050mAh
Battery Life	About 2h
Charging Mode	USB Type-C
Clamp Width	Minimum 131mm/Maximum 172mm
Tripod Socket	UNC 1/4-20 interface for tripod
Operating Temperature	-10°C~+50°C
Operating Humidity	10%~90% (non-condensing)
Storage Temperature	-20°C~+60°C
Ingress Protection Rating	IP54
Shock and Vibration	Shock: 25g (IEC 60068-2-27); vibration: 2.5g (IEC 60068-2-6)
Weight and Dimensions	About 132g, 135.6×41×29.1mm
Authentication	CE/RoHS/CMA, etc.
Packing List	Thermal camera×1, USB cable

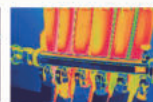
### Applications



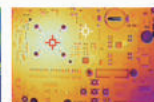
Power Maintenance



Equipment Inspection



HVAC Leak Detection



Circuit Board Repairing

\*The 8-meter image transmission distance is the test value taken when the space is without obstruction.