

Handheld Thermal Camera

CE -20°C ~ +550°C

ThermEye 256A

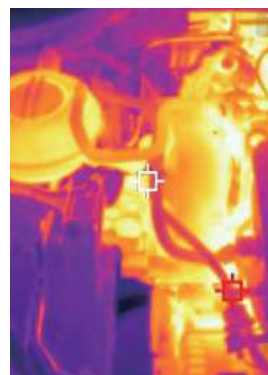
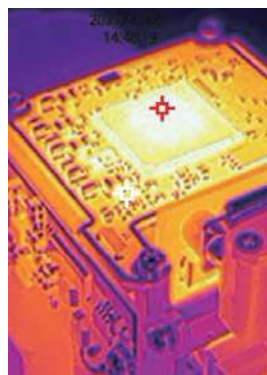
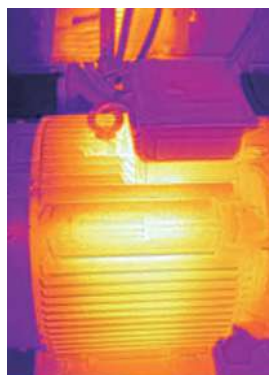
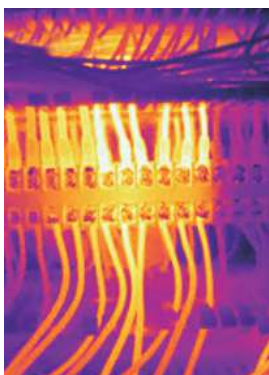
ThermEye 256A is an focus-free handheld thermal camera equipped with a 3.5-inch large touch screen. It is installed with the self-developed 12 μ m high-sensitive 256 \times 192 infrared detector and 2 mega pixel visible light camera for clear locating. It features the 40mK thermal sensitivity and 25Hz high frame rate, focus-free design, and USB plug-and-play analysis, to provide accurate data and clear images satisfying the requirements of process monitoring and R&D analysis.

**Features**

- Powerful detector, powerful imaging
- 8 hour battery operation for longer inspection
- High sensitivity, wider measurement range
- 3.5 inch HD large screen
- Solid and Durable professional thermal camera tool

Applications

- Power maintenance
- Equipment maintenance
- Circuit design
- Vehicle maintenance
- HVAC maintenance



Technical Specifications

Model	ThermEye 256A
Detector Type	Uncooled Micro bolometer detector
Detector Resolution	256x192
Spectral range	8-14μm
Thermal sensitivity/NETD	40mK
IFOV	3.8mrad
Frame rate	25Hz
FOV	56°x42°
Focus mode	Focus free
Temperature measurement range	-20°C ~ 150°C, 100°C ~ 550°C
Measurement accuracy	±2% or ±2°C
Measurement mode	Center spot/hot and cold spot tracking and temperature display
Custom temperature measurement tools	Movable spot/line/area temperature measurement, up to 10 spots, 10 areas,10 lines
Temperature measurement unit	Celsius, Fahrenheit, Kelvin
Emissivity settings	0.01-1.00, setp length 0.01
Ambient temperature settings	-10~50°C, setp length 1°C
Distance settings	0.25~4m, setp length 0.25m
Digital zoom	1x, 2x, 4x
Image mode	Thermal, dual-spectrum fusion, visible light, PIP
Color palettes	7 kinds
Temperature alarm	Support
Alarm type	Image alarm
Temperature Scale	Auto/Manual
Laser Pointer	Yes
Digital camera	2MP
Image/video Storage	Jpg images with temperature data in thermal and visible light modes ; H.264 videos without temperature data
Voice annotation	Yes
Language	English
Screen	3.5-inch touch screen (480x640)
Image naming	Auto/manual input, QR code scanning
Memory card	standard 32GB MicroSD card
Battery type	Rechargeable and detachable Lithium battery
Power interface	USB Type-C
Data Communication Interfaces	USB, WiFi
Charging time	about 3h
Battery operating time	about 8h
Power Management Interfaces	Auto shutdown: 5 minutes, 10 minutes, 20 minutes, off)
Analysis software	PC (Infrared analysis software) or mobile (IOS/Android APP)
Tripod mounting interface	1/4"-20-UNC
Operating temperature range	-10 ~ +50°C
Storage temperature range	-20~+60°C
RH	10% ~95%,no condensation
Drop	2m
Encapsulation	IP54(IEC 60529)
Camera Dimension (LxWxH)	258.4 ×105.1 × 102.3mm
Weight	635.5g
Standard accessories	5V 2A power adapter(with various plugs to fit global regions), USB cable, SD card, battery×2, QSG, battery charger, calibration certificate, packaging list,portable bag

Specification are subject to change



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