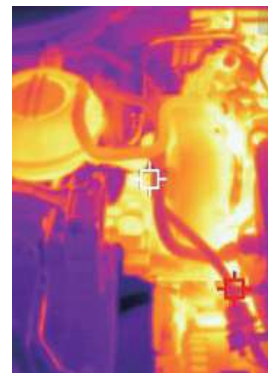# Handheld Thermal Camera

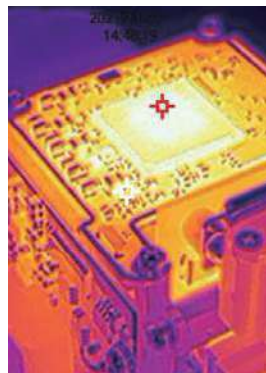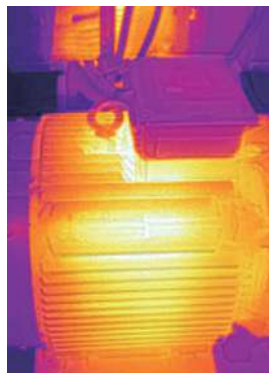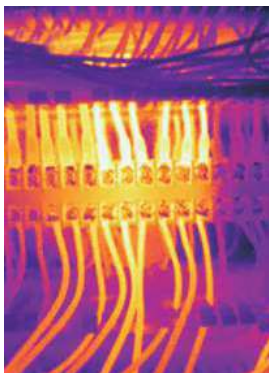CE **-20°C ~ +550°C**

ThermEy☾ 256M

ThermEye 256M is a 256 x 192 resolution advanced portable camera with high-definition images, large-screen display and accurate temperature measurement for electrical maintenance and circuit design. 5 MP digital camera, four image modes + 10 Palettes dual spectrum imaging, suitable for more detailing of thermal image. ThermEye256M is suitable for a wide range of application such as electrical inspection, machinery / equipment maintenance, building diagnostic and many more applications. It is easy to use, professional and efficient.

Features

- Powerful detector, powerful imaging
- 4 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 256
Detector Type	Uncooled Micro bolometer detector
Resolution	256 x 192
Spectral Band	8 ~ 14 μm
Pixel Pitch	12 μm
NETD	<40mK
IFOV	1.71mrad
Frame Rate	25Hz
Focal Length	7mm
FOV	24.8°×18.7°
Focusing Mode	Manual focusing
Measurement Range	-20~+150°C, 100~550°C
Measurement Accuracy	±2°C or ±2%
Measurement Resolution	0.1°C
Measurement Mode	Central spot measurement/Hot and cold spot tracing and temperature display
Measurement of Points, Lines, and Areas	10 points/10 lines/10 areas/highest point, lowest point tracking/center point
Measurement Unit	°C, °F, Kelvin
Emissivity Setting	0.01~1.00, step size 0.01
Environment Temperature Setting	−10°C~+50°C, step size 1°C
Distance Setting	0.5~12m, step size 0.5m
Image Mode	IR/Visible light/PIP/Dual-spectrum fusion
Palette	10
Alarm Mode/Temperature Alarm	Image alarm/Support temperature alarm
Digital Zone	8X
Temperature Range of Color Code	Manual/automatic temperature range
Visible Light Camera/Laser Pointer	5MP pixels/Support laser pointer
Video/Photo Storage	Visible light-DCjpg + infrared-IRjpg (with temperature data), short press the trigger button to take a picture
Display Size	3.5-inch touch screen (480×640)
Image Naming	Text input, QR code scanning
Memory Card	Standard 32GB Micro SD card
Battery Type	Rechargeable and dismountable lithium-ion battery
Power Supply	USB TypeC
Connection Type	Type-C; WiFi
Charging Time	About 3h
Operating Time	4h
Power Management	Automatic shutdown: 5 min, 10 min, 20 min, non-automatic shutdown
Analysis Software	PC&APP
Tripod Support	Yes, at the bottom of the handle
Operating Temperature	-15~+50°C
Storage Temperature	-40~+70°C
Relative Humidity	10%~95%, non-condensing
IP Grade/Drop Protection	2m, IP54
Impact and Vibration	Impact 25g (IEC 60068-2-27); vibration 2.5g (IEC60068-2-6)
Dimensions (H×W×D)	258.4 × 105.1 × 102.3 (mm)
Weight	660.5g
Accessory	5V2A power adapter, charging base, battery, data cable, SD card, user manual

Specification are subject to change

TEMPSENS

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