Handheld Thermal Camera

CE -20°C ~ +2000°C

ThermEye 384

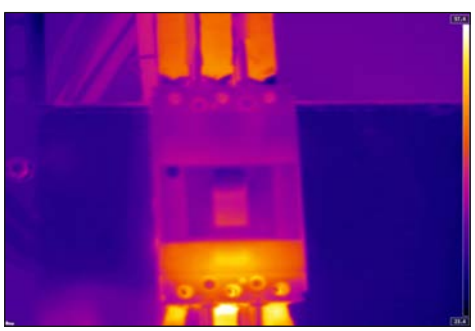
ThermEye 384 Handheld Thermal Camera is embedded with the uncooled micro bolometer infrared detector with high performance, resolution and sensitivity. It is the first infrared thermal camera with auto-focusing function and replaceable lens. The powerful hardware configuration shines in application fields such as production equipment inspection, manufacturing process inspection, and metallurgy and chemical industry. More breakthroughs have been achieved in terms of software functions, including smart shooting (inspection task package), smart database management (picture retrieval, comparison and analysis), and smart diagnosis, providing comprehensive and efficient inspection solutions for users in the power industry.

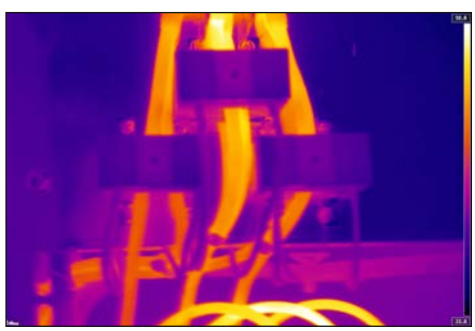
Features

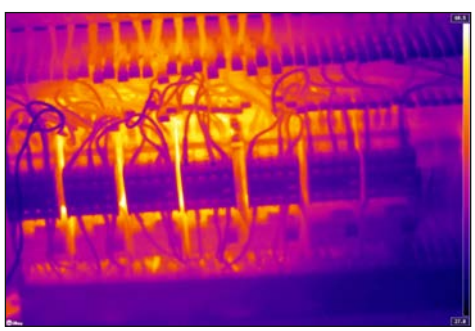
- 384 x 288 resolution
- Various Lenses from Wide-angle to Long-focus is Optional, Suitable for Multiple Scenarios
- Fully Automatic Infrared Focusing System, Fast for Improving Efficiency
- Wide temperature range -20°C ~+2000°C.
- Optional Extended Temperature Measurement Range up to 2,000°C
- 5-inch Touch Screen, Intuitive and Easy-to-operate
- 5,000,000-pixel Visible Light Camera, Recording Inspection Results with Dual-spectrum

Applications

- Power Industry
- Iron Industry
- Petroleum & Chemical Industry
- Building Industry







Technical Specifications

Model	ThermEye 384
Detector Type	Uncooled Microbolometer detector
Detector Resolution	384×288
Super Resolution	768x576
Spectral Band	7.5 ~ 14 µm
Pixel Pitch	17 µm
NETD	35mK
Frame Rate	30Hz
Digital Camera	5 MP
FOV	24° x 18°
IFOV	1.09 mrad
Focus	Manual, automatic, electric
Measuring Range	Standard: -20°C～+150°C (low temperature range), 0°C～410°C (medium temperature range), 300°C～650°C (high temperature range); Optional: 300°C~2,000°C
Temperature Measurement Accuracy	±2°C or ±2% of reading
Lens	Standard 24°, optional 48°, 12°, 6°, etc., exchangeable
Laser Rangefinder	Supported
Measurement Tool	Up to 10 points, 10 boxes, and 5 lines, including maximum/minimum/average
Image Mode	Infrared, visible light, PIP (picture-in-picture), fusion
Palette	10
Temperature Alarm	Automatic audible and visual alarm of the set/excessive/inadequate temperature value
Secondary Analysis	Provide PC analysis software for secondary analysis of data
Screen Size	5-inch touch display
Lighting	LED fill-in light
Storage	In-built data storage
Operation Time	About 3 hours under 25°C
Isotherms	Supported
Operating Temperature	-20°C~+55°C
Storage Temperature	-40°C~+70°C
Operating Humidity	Relative humidity 10% ~ 95%, non-condensing
IP Encapsulation	IP54
Digital Zoom	×1,×2,×4,×8
Text Notes	Select text notes from the preset list and edit them in the thermal camera
Smart Shooting	Support inspection task package and automatic image naming
Voice Note	Support voice note, stored with the image
QR Code Scanning	Support scanning and reading of QR code string information
WIFI	Remote real-time image transmission to mobile phone/computer via WIFI
4G	Remote real-time image transmission to mobile phone/computer via 4G
GPS	Optional
Bluetooth	Hear audio information of images with Bluetooth headset
Picture Format	jpg (including full temperature data)/png (including full temperature data)/standard format of State Grid
Infrared Video Format	H.264 video or full-radiation infrared video stored to SD card
Video Output Interface	Micro HDMI interface
Charge Mode	Desktop charger
Dimensions	260×135×136mm
Weight	⩽1.3kg (including battery)

Specifications are subject to change

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