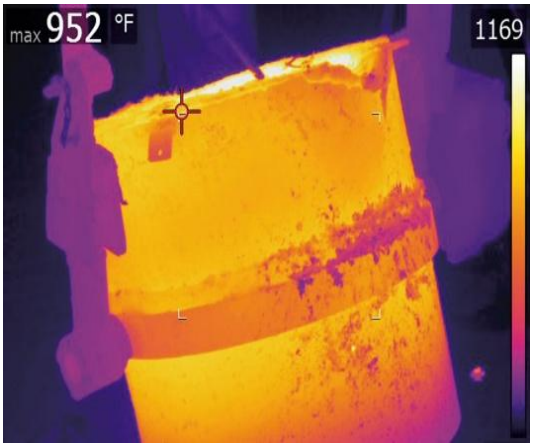
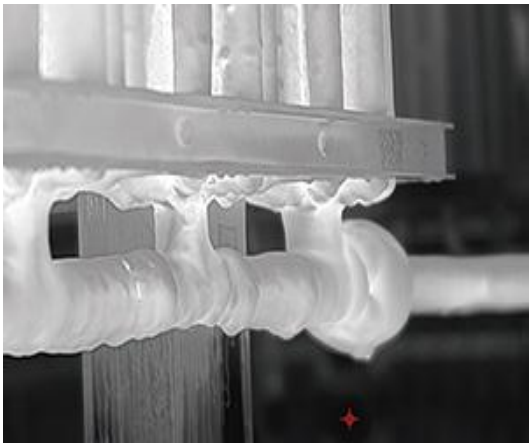
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TECHNICAL DATA





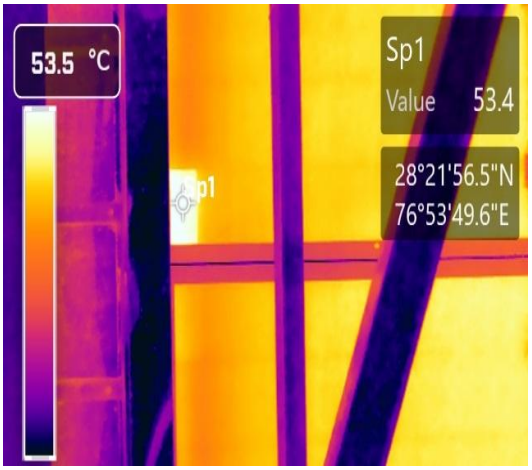


Technical specifications	
IR Resolution	384 x 288 Pixels
Super Resolution	Available
Image Sensor	Uncooled infrared detector
Pixel Pitch	12μm
Spectral Band	7.5-14μm
Thermal sensitivity (NETD)	＜35mK (25°C,F1.0)
Temperature Measurement Range	-20°C to +650°C
Image Refresh Rate	25 Hz
Optics (FOV)	27°×20°
IFOV	1.31mrad
Focus	Manual
Accuracy	±2°C or ±2% of readings, whichever is greater
Imaging Display	
Digital Zoom	1x, 2x, 4x, 8x
Display	3.5-inch touch screen, 640×480 resolution
Temperature Width Stretch	Manual
Visual light Camera	5 mega Pixels
Flashlight	Support
Color Palettes	10 Color Palettes
Image Mode	Infrared, visible light, PIP, dual-spectrum fusion
Adjustment Image	Manual & Auto
Measurement and Analysis	
Analysis Functions	Custom points/lines/areas/polygons/Frames; up to 10 points, 10 areas, and 10 lines; Center point/Hot and cold spot tracking, Differential Temperature and temperature display
Laser Pointer	Support
Text Annotation	Simplified English/Numbers
Voice Annotation	Support
Microphone	Support
Analysis Report	PDF format. Support editing and template importing on the PC client.
Supporting Software	PC (Infrared Analysis Software)
Video Functions	
Radiometric Infrared Video Recording	Support
Non-radiometric Infrared or Visible Light Video Recording	Standard MP4 video recording
System Functions	
Intelligent Routine Inspection	Support
Communication Protocol	Wi-Fi, Bluetooth, Type C
Image Storage	
Storage Medium	Standard 64GB MicroSD, up to 512G
Image Format	JPEG, Radiometric JPEG

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TECHNICAL DATA



Others	
Battery	Rechargeable lithium-ion battery
Charging Mode	USB Type-C
Battery Life	About 6h (about 3h for a single battery)
Interface	USB Type-C, SD card
Tripod Socket	UNC 1/4-20 interface for tripod
Operating Temperature	-20°C~+55°C
Relative Humidity	90%
Storage Temperature	-20°C~+60°C
Ingress Protection Rating	IP54
Shock and Vibration	Shock: 25g (IEC 60068-2-27); vibration: 2.5g (IEC60068-2-6)
Weight and Dimensions	About 683.5g, 258.4×105.1×102.3mm

Product Highlights

Powerful Detector, Clear Imaging

- Equipped with a 384 x 288 Pixels self-developed uncooled infrared detector.
- -20°C~+650°C wide measurement range for monitoring more temperature targets.

Fully Functional Software

- Manually adjusting the temperature range to meet the needs of multiple scenarios and uses.
- Support multiple image modes + multiple palettes to meet the needs of temperature measurement under different requirements.
- The PC software supports real-time image analysis.

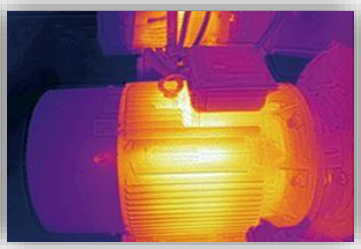
Hardcore Configuration

- Equipped with a 3.5-inch touch screen, supporting center point, hot and cold spot tracking and temperature display.
- IP54, 2m drop protection
- Standard configuration of 2 quick-removal batteries, with a battery life of up to 8h.

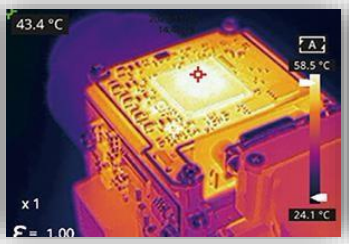
Applications



HVAC



Equipment



Circuit



Power Maintenance

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