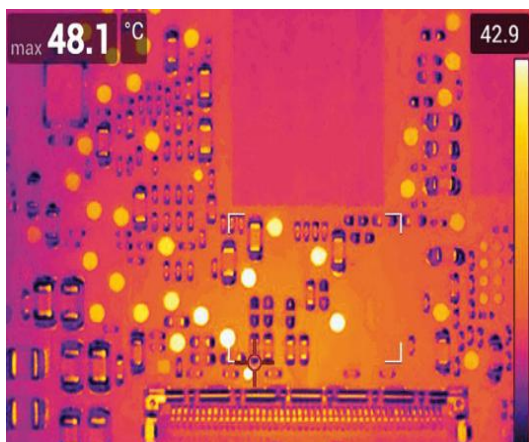
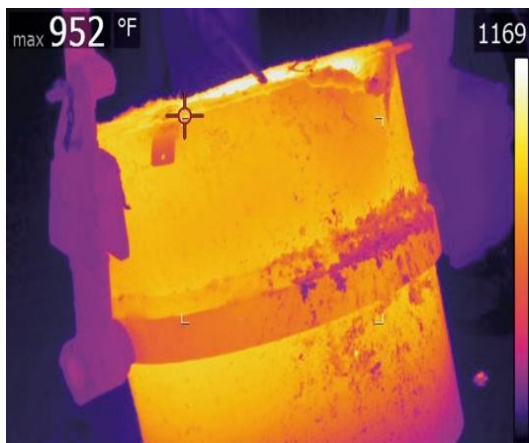


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TECHNICAL DATA



Technical specifications

IR Resolution	480×360 Pixels
Image Sensor	Uncooled Microbolometer detector
Pixel Pitch	12μm
Super Resolution	960 ×720 pixels
Spectral Band	7.5-14μm
Thermal sensitivity (NETD)	<35mK (30°C)
Temperature Measurement Range	-20°C to +650°C
Image Refresh Rate	30 Hz
Optics (FOV)	Standard lens: 24°×18°; Super telephoto lens: 6°×4.5°
Identification Lens	Automatic
IFOV	Standard lens: 0.87mrad; Super telephoto lens: 0.22mrad
Minimum Imaging Distance	Standard lens: 0.15m; Super telephoto lens: 4m
Focus	Manual focus, One-button focus, Single-touch Auto focus, laser-assisted focus
Accuracy	±2°C (-20° to 100°) or ± 2% whichever is greater

Imaging Display

Digital Zoom	1-10x Continuously
Display	5-inch OLED touch screen, resolution 1280×720
Digital Camera	Field of view adjusts based on the IR lens
Visual Camera	13 mega Pixels color Image
Color Palettes	10 Color Palettes like Iron, White hot, Black Hot, Lava, Rainbow, Ironbow
Image Mode	Infrared, visible light, (Picture in Picture)PIP, dual-spectrum fusion

Measurement and Analysis

Measurement	Support up to 15 points/lines/areas to analyze more temperature details in the screen with Center spot, Hot & Cold spot, no measurement & User defined Preset up to 5
Color/Measurement Alarm Function	Audio & Visual alarm on Above/Interval/Below User defined Threshold
Laser Area Measurement	Support
Laser Alignment	Support
Temperature Measurement Correction	Ambient/Reflected/Distance/Atmospheric/Relative Humidity/Object distance/Emissivity/ IR window
Trend Analysis	Supports temperature trend recording and analysis.
Image Freezing	Support
Voice Annotation	Yes. 60s of voice annotations for every image
Text Annotation	Simplified English/Numbers
Emissivity	User defined from 0.01 to 1
Analysis Report	PDF format. Support editing and template importing on the PC client.
Supporting Software	PC (Infrared Analysis Software), Mobile Device (iOS/Android APP)
Camera Firmware	Through USB cable

Image Storage

Storage Medium	Standard 64GB MicroSD. Support SD, SDHC, and SDXC, up to 2TB.
GPS	GPS location information is automatically added to each static image captured outdoors

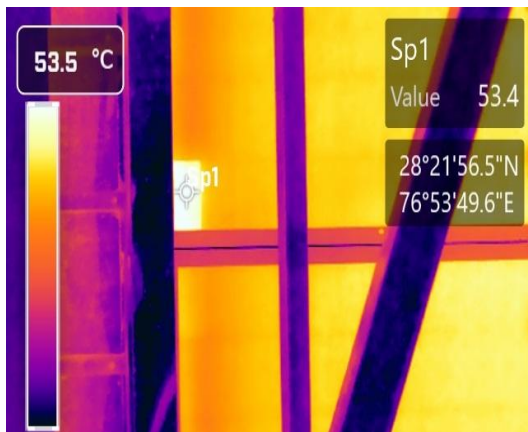
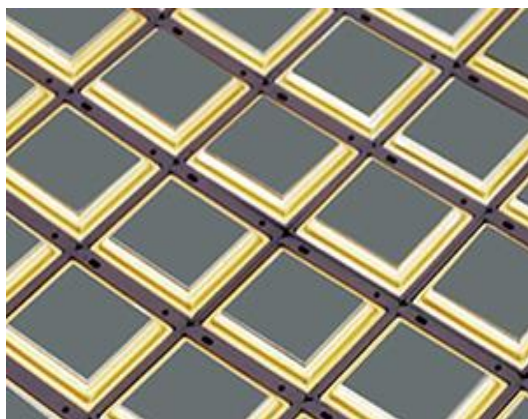
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TECHNICAL DATA



Video Functions

Radiometric Infrared Video Recording	Support compressed full radiation video recording, up to 30Hz video recording.
Non-radiometric Infrared or Visible Light Video Recording	Standard MP4 video recording
Radiometric Infrared Video Stream Transmission	Analysis at about 30Hz on PC
Non-radiometric Infrared Video Stream Transmission	RTSP H.264
Video Resolution	1280×720

System Functions

Intelligent Image Stabilization	Support
Intelligent Panoramic Stitching	Support
Intelligent Routine Inspection	Support. General task package import and editing, standard and automatic naming of images
Routine Inspection Record Self-inspection	Support
Dual-Spectrum Video Recording	Simultaneous infrared video and visible light video recording, in MP4 format.
Communication Protocol	Wi-Fi, Bluetooth, USB
Voice Control	Voice assistant, quick command recognition
Flashlight	Support

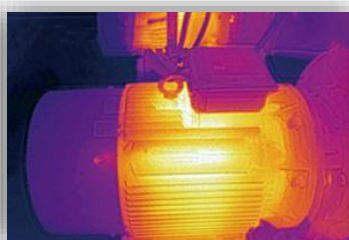
Others

Microphone/Speaker	Support
Languages	15+ Languages
Battery	10,000mAh lithium-ion battery, field-replaceable, support fast charging
Charging Mode	USB Type-C or desktop charger
Battery Life	Continuous operating time ≥ 6 hours (depending on the actual environment and service conditions)
Interface	USB3.0 Type-C, SD card, SIM card, Mini HDMI
Tripod Socket	UNC 1/4-20 interface for tripod
Operating Temperature	-20°C~+55°C
Operating Humidity	10%~95% (non-condensing)
Storage Temperature	-40°C~+70°C
Ingress Protection Rating	IP54
Shock and Vibration	Shock: 25g (IEC 60068-2-29); vibration: 2g (IEC60068-2-6)
Safety Standards	IEC 61326-1, IEC 60068-2-30/ Class A, IEC 61010-1; Pollution degree 2
Weight and Dimensions	<1.2kg (with battery), 144×129×307mm
Authentication	CE/RoHS/CMA, etc.

Applications



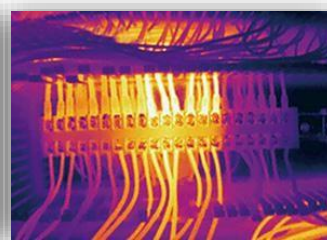
HVAC



Equipment



Circuit



Power Maintenance

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