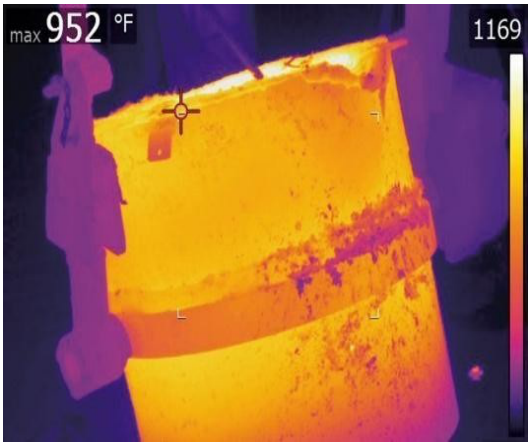
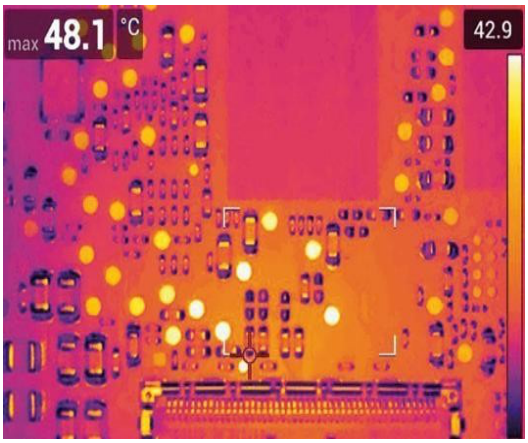
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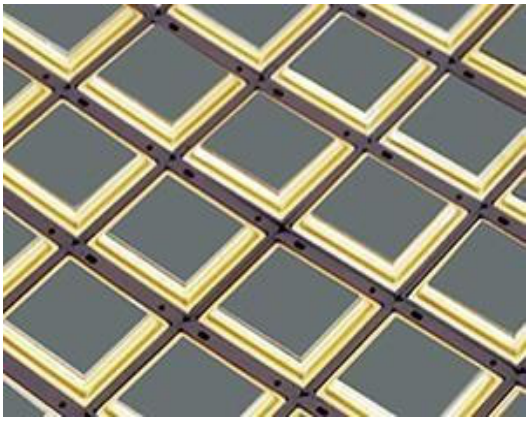


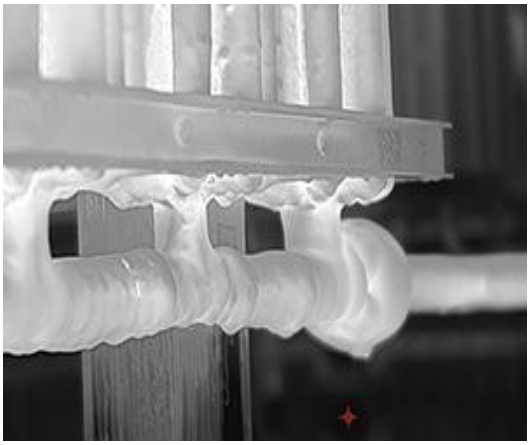
Technical specifications	
IR Resolution	640×512 Pixels
Image Sensor	Uncooled Microbolometer detector
Pixel Pitch	12μm
Spectral Band	7.5-14μm
Thermal sensitivity (NETD)	< 35mK (25°C)
Temperature Measurement Range	-20°C to +150°C, 100°C to 650°C, Optional: 400°C to 1500°C
Frame Rate	25 Hz
Optics (FOV)	Standard lens: 25°×20°; Wide-Angle lens: 45° × 36°; Telephoto lens: 14°×11.2°
Identification Lens	Automatic
IFOV	Standard lens: 0.68mrad; Wide-Angle lens: 1.26mrad; Telephoto lens: 0.38mrad
Focal Length	Standard lens: 17.7mm; Telephoto lens: 31.5mm; Wide-angle lens: 9.5mm
Minimum Imaging Distance	Standard lens: 0.4m; Wide-Angle lens: 0.2m; Telephoto lens: 3m
Focus	Manual focus, One-button focus, Single-touch Auto focus, laser-assisted focus
Accuracy	±2°C or ± 2% whichever is greater
Imaging Display	
Digital Zoom	1-10x Continuously
Display	5-inch OLED Capacitive touch screen, resolution 1280×720
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
Area Measurement	Support
Laser Distance	Support
Periodic Image Storage	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 Update	Through Wi-Fi and USB cable
Image Storage	
Storage Medium	64GB Memory.
GPS	GPS location information is automatically added to each static image captured outdoors
Image Sketch	Support

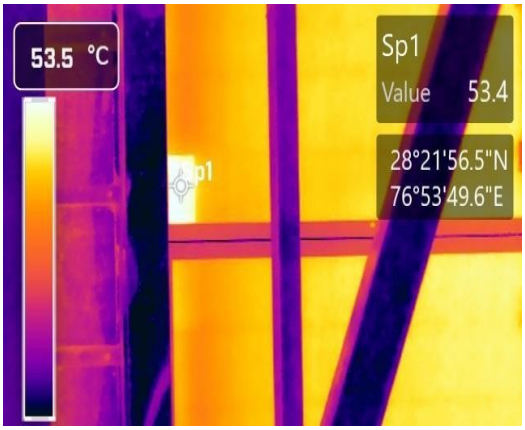
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www.agilemicrosys.com; +91 124 4536823 ; Sales@agdp.co.

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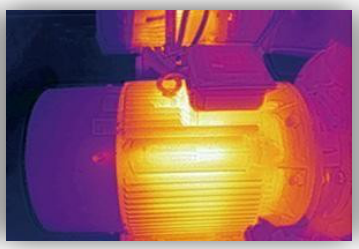


Video Functions	
Radiometric Infrared Video Recording	Support compressed full radiation video recording, up to 30Hz video recording.
Non-radiometric Infrared or Visible Light Video Recording	Standard MP4 video recording
Radiometric Infrared Video Stream Transmission	Analysis at about 30Hz on PC
Non-radiometric 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 (Charging time < 2.5 Hrs.)
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
Drop Test	2 mtrs.
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.

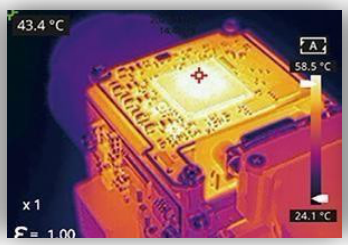
Applications



HVAC



Equipment



Circuit



Power Maintenance

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