

Thermoview P9-388

Professional handheld industry inspection thermal imaging camera

Sensor Partners

Using a new ergonomic design concept, Thermoview P9-388 is a kind of handheld IR Thermal imaging camera designed for Electric & Industrial predictive maintenance with pixel of 384 x 288. With a 3 million pixel daylight image and IR thermal image through a convenient 3.6" touch screen at your fingertips. Importantly, Network real-time transmission of pictures and video features play an excellent role in the field of scientific research and industrial control.



Application in power industry

- Clamps & transmission equipment detection
- Power transformation & distribution equipment detection



Application in construction

- Underground heating system
- Insulation trouble
- Hollowing detection
- Water stain damage
- Window airtightness
- Radiators and pipes



Application in technology

- Temperature distribution measurement
- Temperature change analysis
- Temperature differences judgement



Application in electrical and mechanical industry

- Security detection
- Insulation failure
- Loose interface detection
- HVAC error
- Components malfunction
- Repair verification

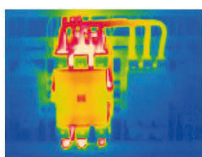


New energy application

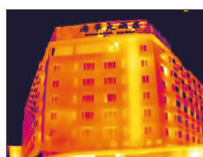
- Measurement of LED chips and lights temperature and cooling process
- Detection of Solar components hot spots, solar cells welding process, inverter and circuit
- Analysis of high and low temperature distribution, temperature uniformity and differences in manufacturing



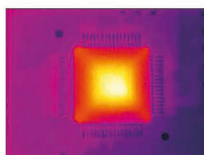
Connector overheat inspection



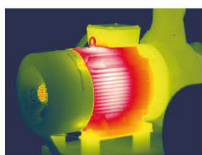
Power Distribution cabinet inspection



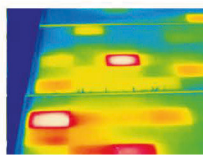
Chimney Inside Wall



Chip Overheat check



Motor inspection



Solar components



2-meters drop resistant



3 million daylight image



3.6" touch screen



Dual LED fill lights make clearer shot



Fusion display of IR & daylight image



Bluetooth audio transmission

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Professional handheld industry inspection
thermal imaging camera



Detector type	Uncooled FPA microbolometer
Array size/format	384 x 288 pixels
Field of view / min focus distance	25°C x 19°C / 0.1m
Spatial resolutions	1.37mrad
Thermal sensitivity	< 0.04°C@30°C
Frame rate	50/60Hz
Focus	Manual
Spectral range	8 ~ 14um
Built in visible light	yes
LCD display	3.6"TFT color LCD, 640x480
Image adjustment	Auto/manual gain and brightness
Color palette	Color palette 11 palettes changeable
Temperature range	-20°C ~ +650°C (can expand to 1200°C or 2000°C)
Accuracy	±2°C or ±2% of reading, whichever is greater
Measurement correction	Automatic/manual
Measurement mode	Up to 5 movable spots. Up to 5 movebla areas (maximun, minimum and average temperatures). Up to 2 movable lines. Lines profile. Isotherms. Temperature difference. Alarm (voice,color)
Setup functions	Date/time, temperature unit, language
Emissivity correction	Variable from 0.01 to 1.0
Background temperature correction	Automatic correction according to user input
Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature
Storage card	8GB SD card, max. 32GB
Storage mode	Automatic/manual single file saving, IR and Visual image link saving
Thermal file format	JPG with original thermal measurement data; H.264 with original thermal measurement data
Visual file format	JPEG, H.264
Voice annotation	A built-in microphone up to 60 seconds of digital voice clip with each cared thermal imaging
Laser pointer	Class 2, 1mw/635nm(red), IEC 60 285
Battery type	Li-Ion, rechargeable (3 hours continuos operation)
Operating temperature	-15°C - + 50°C
Storage temperature	-25°C - + 60°C
Encapsulation	IP54
Anti shock	25G, IEC 68-2-29
Vibration resistance	2G, IEC 68-2-6 grade
Drop resistance	2 meters
Humidity	< 90% non-condensing
Dimensions / Weight	230mm x 105 mm x 245 mm / 0.98kg
Memorycard slot	Yes
Interface	Video output, external DC output, Mini-USB image measurement & data transfer, Bluetooth



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