

Thermal Imager Camera

TIC-270

**LED Light
Environmental Fill Light
& Flash Alarm**



**IP54
Dust-Proof and Water-Resistant
2m/78.74" Drop Protection**

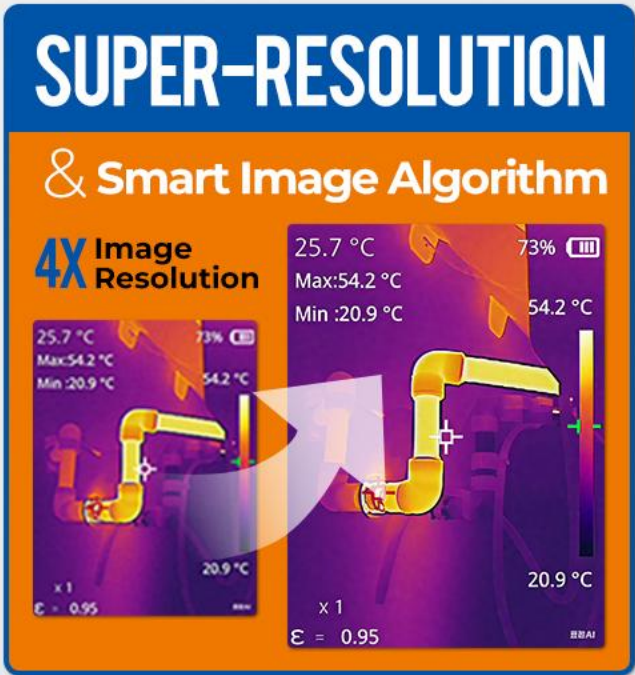


256
×
192



320
×
240

**Automatic Detection of
Hot and Cold Spots**

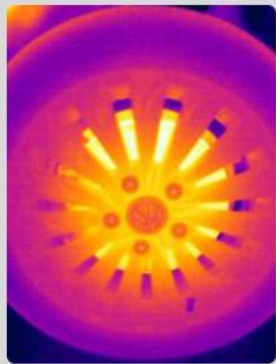


Order no. 0408 0004

- Standard Infrared resolution is 256×192, upgraded to 320×240 with Super-Resolution for a clearer image
- Smart image algorithm delivers sharp details and clean visuals
- High sensitivity (NETD ≤ 40mK) detects even tiny temperature changes
- Built-in recording makes later review easy
- PC software auto-creates analysis reports

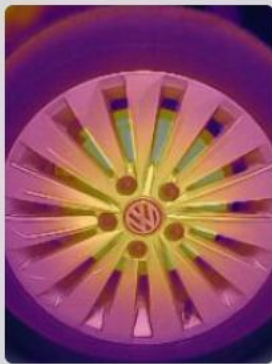
Detector Type	12μm uncooled infrared detector
Infrared Resolution	256X192
AI Real-time Super-resolution	320X240
Spectral Band	7.5~14pm
NETD	<40mK (<0.04°C/<32.072°F, F1.0)
Frame Rate	25Hz
Lens Focal Length	3.2mm/0.126"
FOV	56°X42°
IFOV	3.75mrad
Focus Mode	Fixed focus
Minimum Imaging Distance	0.3m/11.81"
Measurement Range (Three Levels)	Low temperature: -20°C~-150°C/-4°F~302°F High temperature: 100°C~550°C/212°F~1022°F Automatic: -20°C~550°C/-4°F~1022°F
Measurement Accuracy	±2°C/±3.6°F or ±2% of readings, whichever is greater

Image Mode



1.Infrared (IR)

Infrared image display
(Ideal for all temperature measurement scenarios)



2.Thermal Fusion (Fuse)

A blended image combining infrared and visible light in a defined ratio
(Perfect for temperature measurement of equipment with text or labels)



3.Picture-in-Picture (PIP)

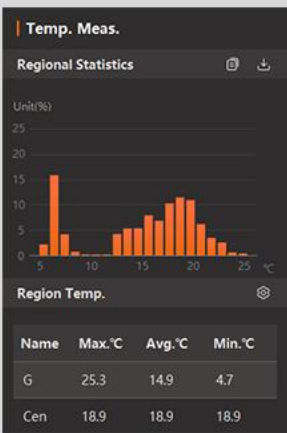
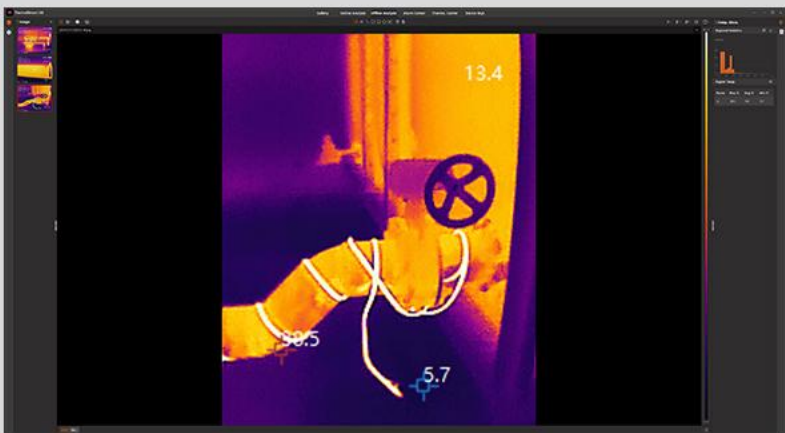
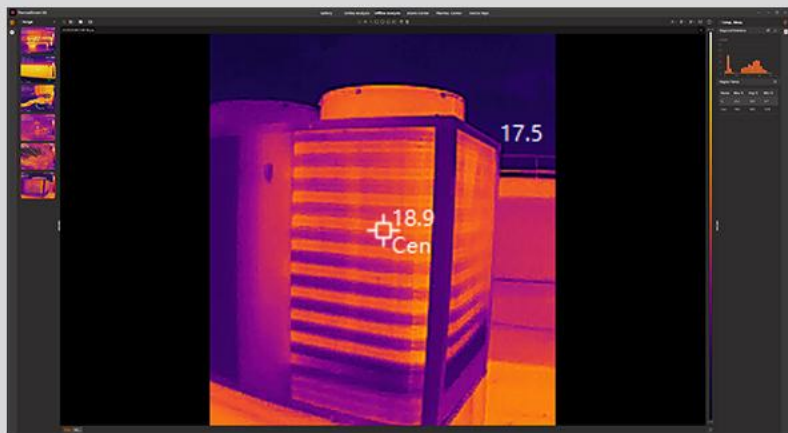
Infrared image overlaid at the center of a visible light image
(Suitable for scenarios where equipment includes textual information)



4.Visible

Visible light Images
(Supports and enhances thermal fusion functionality)

PC Software



Images and Data

Maximum, average and minimum value

(A variety of data can be viewed through charts)

Imaging Display	
Display	2.8", 320X240
Visible Light Camera	2 megapixels
Digital Zoom	1X, 2X, 4X
Palettes	White Hot, Black Hot, Iron, Lava, RainBow, Rainbow HC, RdGy
Image Mode	IR, Fuse, PIP, Visible
Temperature Width Stretch	Auto
Measurement and Analysis	
Analysis Functions on the Device	Central temperature point/Highest temperature point/Lowest temperature point
Supporting software	PC (Infrared Analysis Software)
System Functions	
Alarm Type	Highest/Lowest temperature alarm in fullframe; Image pop-ups, flash prompts; Auto image capture at alarm time(with temperature data)
Power Management	Auto shut-down setting
Others	
Battery	Built-in rechargeable lithium-ion battery
Battery Life	About 11h
Ingress Protection Rating	IP54
Weight and Dimensions	About 520g/1.15lbs, 237X75X92mm/9.33×2.95×3.62"
Authentication	CE/RoHS/CMA, etc.