

Thermal Imager Camera TIC-270

LED Light
Environmental Fill Light
& Flash Alarm



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



Automatic Detection of
Hot and Cold Spots



Order no. 0408 0004

- Standard Infrared resolution is 256x192, upgraded to 320x240 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	12um uncooled infrared detector
Infrared Resolution	256X192
AI Real-time Super-resolution	320X240
Spectral Band	7.5-14um
NETD	<40mK (1<0.04°C/1<32.072°F, F1.0)
Frame Rate	25Hz
Lens Focal Length	3.2mm/f1.06"
FOV	56°X42°
IPOV	3.75mmrad
Focus Mode	Fixed focus
Minimum Imaging Distance	0.3m/11.81"
Measurement Range (Three Levels)	Low temperature: -20°C ~ +50°C / -4°F ~ 302°F Automatic: -20°C ~ 500°C / -4°F ~ 1022°F High temperature: 100°C ~ 500°C / 212°F ~ 1022°F
Measurement Accuracy	±2°C/±35°F or ±2% of readings, whichever is greater

AI Measurements Instruments Beyond Measurement into Insight
www.elitechglobal.com

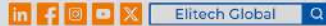


Image Mode



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)

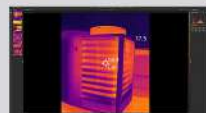


3. Picture-in-Picture (PIP)
Infrared image overlaid at the center of a visible light image
(Suitable for scenarios where equipment includes textual information)



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, RdCy
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	High/Lowest temperature alarm in full frame; Image pop-up; Flash prompts; Auto image capture alarm time (with temperature data)
Power Management	Auto shut-down setting

Others

Battery	Built-in rechargeable lithium-ion battery
Battery Life	About 1h
Ingress Protection Rating	IP54
Weight and Dimensions	About 520g/110lbs, 237X75X32mm/9.33"X2.95"X1.62"
Authentication	CE/RoHS/CMA, etc.