



AutoTest® InfraRed Camera



Professional Thermal Imaging Made Simple

The AutoTest® InfraRed Camera is a compact, dual-camera thermal imager designed for inspection, maintenance, and fault-finding across industrial, electrical, and building applications. Combining infrared thermography with a visible light camera, it allows fast identification and localisation of temperature-related issues helping you detect problems before they become failures.

Built for Harsh Environments

Designed for demanding field use, the AutoTest® InfraRed Camera features an IP65 protection rating, offering resistance to dust and moisture. Its robust housing and ergonomic handheld design make it ideal for industrial and outdoor inspections.

Key Features

- **Dual-camera design**
Infrared thermal sensor plus visible light camera for precise fault identification
- **3.5" high-resolution LCD display**
Wide field of view for efficient inspections
- **Automatic hot & cold spot tracking**
Real-time maximum and minimum temperature detection
- **User-adjustable emissivity**
Optimise accuracy for different surface materials
- **High & low temperature alarms**
Instant alerts when thresholds are exceeded
- **Six selectable colour palettes**
Clear visual interpretation of thermal data
- **Built-in white LED work light**
Improved visibility in low-light environments
- **USB-C & micro-SD storage**
Easy image transfer for reporting and records

Specifications

- **Thermal resolution:** 120 × 90 pixels (10,800 pixels)
- **Temperature range:** -20°C to 400°C
- **Thermal sensitivity:** <60 mK
- **Accuracy:**
 - ±5°C (-20°C to 0°C)
 - ±3°C (0°C to 100°C)
 - ±5% (100°C to 400°C)
- **Battery:** built-in 5000 mAh lithium battery

Standards & Compliance

Designed in accordance with international safety, EMC, and thermography standards, including:

- IEC 61010 1,
- IEC 61326 1,
- AS ISO 10880,
- AS ISO 18434 1,
- and applicable EU EMC directives

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Note: Outer appearance and specifications are subject to change without prior notice





Typical Applications

- Electrical inspections and overheating detection
- Mechanical and equipment condition monitoring
- Building diagnostics & insulation checks
- Preventative maintenance programs
- General fault-finding and troubleshooting

Precision & Accuracy

The AutoTest® InfraRed Camera is designed to deliver reliable and repeatable thermal measurements for professional inspection and diagnostic applications.

Measurement Accuracy

- $\pm 5^{\circ}\text{C}$ from -20°C to 0°C
- $\pm 3^{\circ}\text{C}$ from 0°C to 100°C
- $\pm 5\%$ of reading from 100°C to 400°C
- 12-month calibration interval

Thermal Precision & Sensitivity

- **Thermal sensitivity:** $< 60\text{ mK}$, enabling detection of small temperature differences and subtle thermal anomalies
- **Infrared resolution:** 120×90 pixels (10,800 pixels) for consistent spatial temperature measurement across the field of view

Measurement Reliability

- User-adjustable emissivity (0.01–0.99) allows optimisation for different surface materials, improving real-world measurement accuracy
- Real-time maximum and minimum temperature tracking supports consistent and repeatable fault identification during inspections

