



 Member **PLUS**™

## Thermal Imaging

Risk Safety from Ohio Mutual Commercial Lines Underwriting Department offers a FLIP IR Thermal Imaging Camera survey to help identify and correct common issues with a large variety of property exposures.

### Best Practices

To see a video of a Thermal Imaging Camera protecting a business, follow this link:  
<https://ohiomutual.wistia.com/medias/ziwmldzlvo>



**Our FLIR Automotive Diagnostic Thermal Camera, Model TG267, can be scheduled by agents and policyholders in conjunction with any Loss Control survey or as generated by inquiries. The requirements and findings are:**

- Your experienced maintenance, facility, or operations manager, or any other qualified personnel, can accompany Ohio Mutual personnel on tours of your facility.
  - Prepare by identifying electrical control panels, circuit breaker panels, switch gear, bus bars, transformers, etc., within a building for camera scanning, along with knowing normal operating temperature ranges of equipment in use, i.e., equipment must be at full operating temperatures.
  - Your personnel is responsible for opening and closing access doors and covers.
  - Inspection time can vary depending upon the amount of electrical components encountered, but anticipate and plan for an hour of your personnel's time.
  - Thermal imaging cameras help to both see and evaluate the hot and cold spots that can indicate serious issues via non-contact temperature measurement and thermal imaging.
  - An infrared camera scan may assist you to pinpoint water intrusion, find moisture beneath the surface, and document dryness.
  - An infrared camera is an excellent tool for maintenance and service technicians — it helps reduce diagnostic time while simplifying repair and maintenance reporting.
- Missing, damaged or inadequate insulation, building envelope air leaks, moisture intrusion and substandard work are costly to residential and commercial building owners. Image clarity embosses visual scene details on full thermal images to provide added context to help accurately target potential faults and troubleshoot repairs.
  - Use this camera to target electrical faults from loose connections, shorts and other potential deficiencies.
  - Camera capabilities include temperature measurements up to 716 degrees Fahrenheit, all while inspecting from a safe distance.
  - Wirelessly download and store thermal/visual images (as jpeg files) for later comparison and to document equipment maintenance history.
  - New and old construction, equipment, or machinery are all eligible candidates.
  - One of the camera's limitations includes concealed electrical components, e.g., wiring in a junction box that is located behind drywall or other wall covering.
  - Findings can result in maintenance, repairs, or replacement of deficient components, yet oftentimes can be as simple as tightening loose connections, exchanging an impaired circuit breaker or removing bad wiring. Repairs can require qualified employee or contractor time as well as capital expenditures, but it's better than the alternative.

