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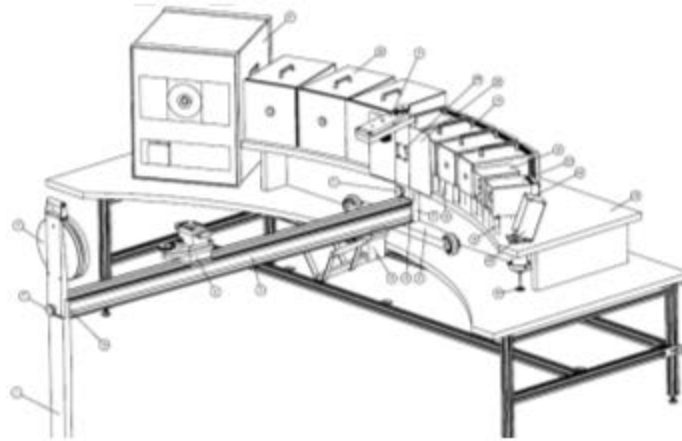
## **FLIR Infrared Camera Calibration**

- What is IR Camera Calibration?
- How IR Camera Calibration Service Process goes?
- Why Calibration is so important?
- How often do I need to calibrate my IR camera?
- What are the key features & how much this service will cost?

[A Simple FAQ Introduction for FLIR IR Camera Calibration Service](#)



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## What is FLIR IR Camera Calibration?

All FLIR infrared cameras are precision instruments that are factory calibrated to record the best possible thermal images and non-contact temperature measurements. Moreover, electronic stabilization circuitry helps maintain this calibration as temperature varies. Nevertheless, electronic component aging over time can cause calibration shift. This means that your FLIR camera should be checked periodically for measurement accuracy, and recalibrated as needed.

## How IR Camera Calibration Service Process goes?

The calibration of each FLIR camera model is unique. Therefore, Our Company is uniquely qualified to keep your camera in peak operating condition for optimum reliability and accuracy in data collection. This division is certified according to ISO 9001:2008 (Nov. 2010).

### **FLIR 14-Point Inspection & Calibration Program**

FLIR's exclusive 14-Point Inspection & Calibration program uses temperature references that are calibrated annually and traceable to the SP Technical Research Institute of Sweden, and the National Institute of Standards and Technology (NIST). The program includes the following steps:

1. Perform a complete operational check
2. Fusion calibration and laser alignment, when applicable
3. Verify all internal cable and PCB connections
4. Clean viewfinder and check optics
5. Upgrade internal camera software to latest revisions
6. Perform minor repairs
7. Verify and/or re-equalize as needed each temperature range for image uniformity
8. Verify standard lens calibration (others or special engineered lenses, optional)



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9. Verify ambient temperature compensation as needed
10. Re-calibration to ensure it meets factory specification
11. Calibrate temperature ranges up to +1,500°C, when applicable
12. Perform quality approved acceptance test procedure
13. Provide calibration label with next due date
14. Provide calibration certificate (optional, extended calibration certificate with measured values)

**\*Does not include parts or labor required to meet calibration standards, nor additional lens/filter calibrations.**



## Why Calibration is so important?

FLIR cameras are designed and factory calibrated for accurate temperature measurements and thermal imaging. When maintained with FLIR's periodically calibration services, they will be highly reliable in spotting thermal anomalies and other temperature phenomena. Without proper maintenance and calibration, accurate measurements cannot be assured.

- Cameras and detectors are aging.
- Optic system including detector window can overtime be polluted by dust / dirt – can effect reading.
- Measurement errors in the field cannot be detected easily.
- Only FLIR Service Centers are able to recalibrate FLIR Thermography cameras.
- Accordingly calibration will reset camera close to the set of temperatures making measurement faults less likely within next time period for all temperature Ranges up to 1500C degree and all lenses.
- FLIR Service Calibration is annually calibrated and traceable to world-wide standard.



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- An Accuracy protocol to be performed after every Calibration to make sure is done correctly.
- FLIR Service have access to:
  1. Camera full history.
  2. Latest firmware and configuration files.
  3. Production server files to be able to recover the camera when it was shipped.
  4. Production capability / equipment.
- FLIR Service Center offer **General maintenance and calibration** including 14 point check.
- Image improvements, Kill bad pixels, perform gain mapping to improve image quality.
- During General maintenance a full operational check will be done includes performing NUC, diagnose tests.
- During General maintenance, fusion, MSX calibration, laser alignment, minor repairs.
- Other Calibration Labs are able to do an accuracy check for FLIR camera manually only by measuring couple of heat sources and comparing the results so it is **NOT** Calibration.
- Other Calibration labs do **NOT** have an access for FLIR camera service web so they will **NOT** be able to recalibrate the camera and correct the camera error.
- All 14 Points Check which FLIR offer like (Fusion, MSX Calibration, laser alignment, Gain Mapping, pixel killing, Diagnostics Tests ..... ) can **NOT** be done by other service labs.
- Other labs are **NOT** able to perform any repair in case it is needed.

**"At the end Thermography cameras are a test and measurement tools and should be calibrated according to quality audits and reports."**

## **How often do I need to calibrate my IR camera?**

We recommend getting your thermal imaging camera calibrated annually to ensure that your camera is still testing within parameters set by the manufacturer.

### **Key Features:**

- A great enhancement to your IR Camera's durability and reliability to sustain at maximum potentials.
- Get accurate measurement & readings.
- Annual Reminder Letters.
- A calibration certificate that your IR camera have been tested and calibrated to meet with the standards according to ISO 9001:2008 (Nov. 2010).



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- Two weeks repair.
- Collection & Delivery (Optional).
- Competitive prices & discounts.

### Pricing & Service costs according to the calibrated IR camera

Each FLIR camera model requires a unique calibration procedure, therefore it varies at calibration cost as shown below:



|                                  |   |  |                |
|----------------------------------|---|--|----------------|
| FLIR ix-series<br>FLIR Ex-series | FLIR Exx-series<br>FLIR T2xx-series<br>FLIR 3xx-series<br>FLIR T4xx-series<br><br>FLIR Exxbx-series<br>FLIR B2xx-series<br>FLIR B3xx-series<br>FLIR B4xx-series<br>FLIR T4xx-series<br>FLIR A3xx-series | FLIR T6xx<br>FLIR P6xx<br>FLIR T6xxbx<br>FLIR B6xx | FLIR GF-series |
| SR 4,950.00                      | SR 11,295.00  | SR 16,664.00                                       | SR 21,276.00   |

Choose your payment plan that suits your need:

| One Time Service      | 3 Years Contract | 5 Years Contract |
|-----------------------|------------------|------------------|
| No Discount Available | 15%              | 30%              |

Give us a call [920027272](tel:920027272) today & Get your FLIR camera checked & calibrated  
You may also send us an email at [support@wesams.com](mailto:support@wesams.com)

thank you!