

Hot Spot defect detection: Standard Mode (Std. Mode)

- 1) On the Infrascopes desktop, Click the FA Shortcut to start the software



FA

Allow the HOT SPOT Software time to Initialize (approximately 25 seconds)



NOTE: If you are already running an FA application then Start Here:

- 2) Select the measurement application Hot Spot

Wait for IR Camera Initialization



- 3) Select appropriate Sensor and Lens

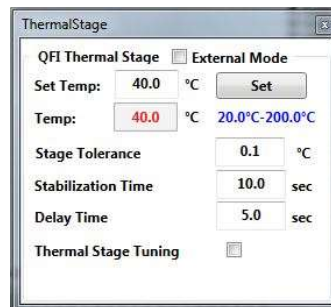


NOTE: Z Up distance can be adjusted as needed. If you are using probes etc.

Note: If you have an idea where the hot spot may be Located

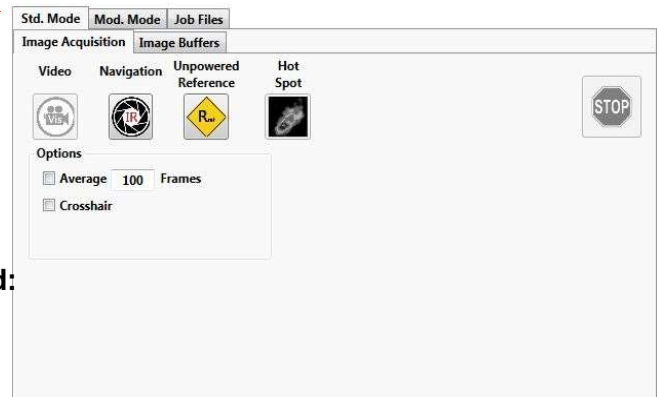
- 4) Set desired temperature now

typical stage temperature for Hot Spot is 40 deg C



allow stage temperature to stabilize before focusing & taking measurements

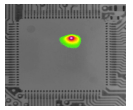
- 5) Select the Std. Mode tab



Navigation

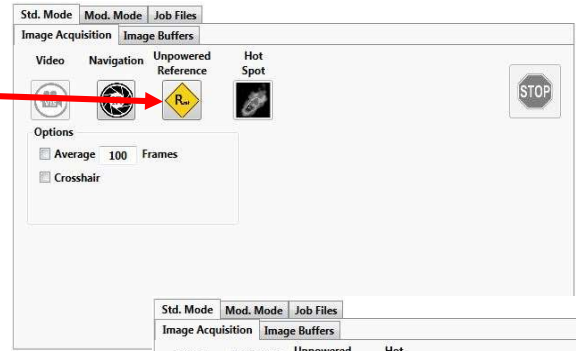


- 6) Select Navigation then navigate and focus as required:



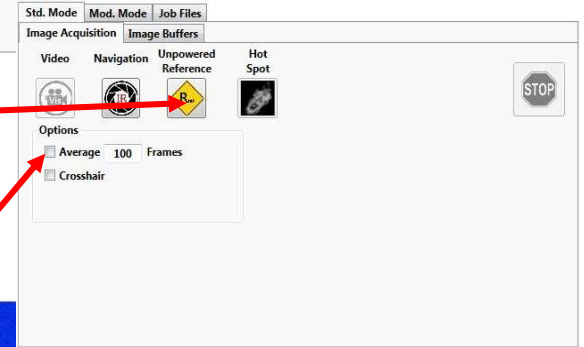
7) Ensure that device (DUT) power is off.

8) Press the Unpowered Reference Button



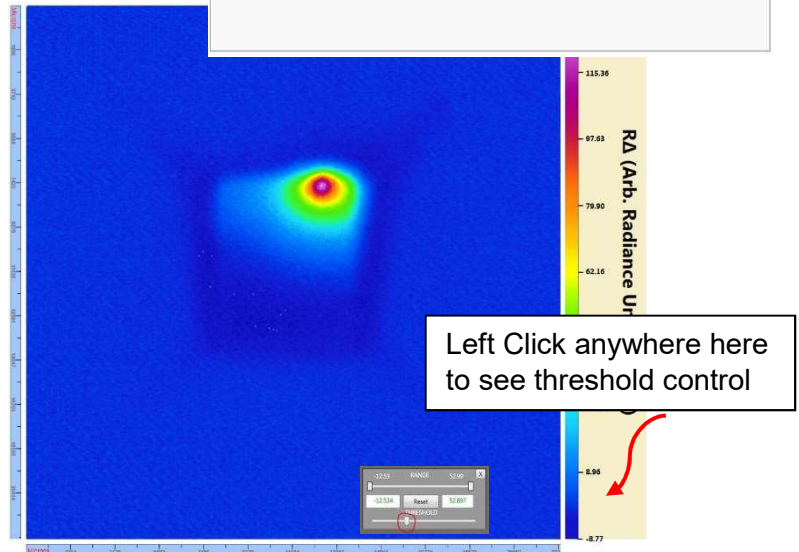
9) Now ensure device (DUT) power is on

10) When ready, press the Hot Spot acquire button



11) Now check the AVE box to start averaging the images.

Typical Hot Spot Image of a packaged device



The same image with thresholding to show the Hot Spot image overlaid over the navigation image.

