

4. Obtain a Movie Mode Image

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The Movie Mode module acquires thermal imaging data for pulses longer than 5 ms (quasi steady state); it is IR-only. [diagram/image in source — not reproduced here: Figure 7, Movie Mode Window]

Optional configuration (before running):

- Go to **Options > Software** and use the "**Movie Mode Length**" drop-down to set the averaging time window, 3–30 seconds. [diagram/image in source — not reproduced here: Figure 8, time-window control]

Worked example:

1. Connect the Device Under Test (DUT) to **Voltage Out** (the AUX Output is optional).
2. Select the biasing conditions for the DUT via the "**Device Control**" panel and click "**Update Values.**"
3. While the image is averaging, use the ROI tool, the scale bars, and the Thermal Image Display tool to optimize the image.
4. Once the desired thermal image is achieved through averaging, save a data file for further analysis and output.

Reference: Voltage Out (Output 1) is the primary, camera-synced output always used for thermal imaging; Output 2 is a constant secondary source that can power other parts of the circuit. Neither output changes until "**Update Values**" is clicked.

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