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## **Thermal image**

[Temperature measurement](#) with an [infrared camera](#) produces a large amount of data, with a separate [temperature](#) being measured for each part of the image (= pixel). With the Optris PI 640 for example, this is 307,200 pixels.

In order to visualize this data, a false color image is presented, where each pixel is represented by a color corresponding to the temperature. Thermal images are used for rapid checks on thermal processes. On most infrared cameras, different color palettes can be selected which allow different temperatures to be distinguished by differences in color. This allows the resulting image to be adjusted optimally for the measurement task.