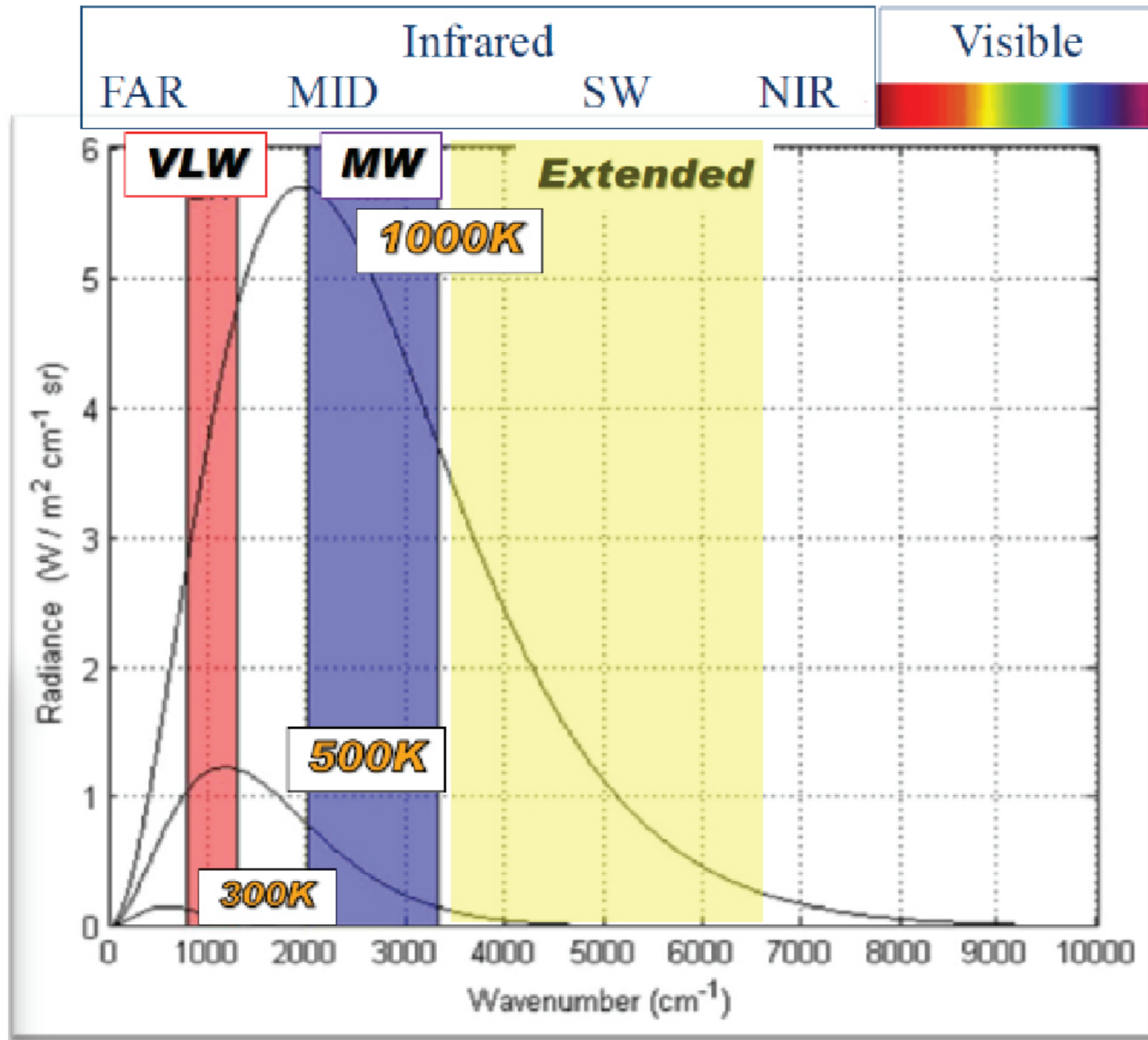


Overview

A TELOPS Midwave hd Series (M100hd) high-resolution infrared camera is capable of capturing thermal data of scientific experiments. The camera, which is suited for the 3-5 μm infrared spectral range, is accompanied with two lenses suitable to capture thermal images in the 0-2500°C temperature range.



Advantages of using infrared spectroscopy in the research environment:

- Validation of experimentally-obtained temperature measurements.
- Temperature data acquisition is possible in scenarios where experimental measurements are difficult (e.g. entire object surfaces).
- Undergraduate training based on the principles of heat transfer (convection, conduction and radiation).

