



Thermography

By Lambert M. Surhone

Betascript Publishers Dez 2009, 2009. Taschenbuch. Book

Condition: Neu. 222x152x10 mm. Neuware - Infrared

Thermography, thermal imaging, thermographic imaging, or thermal video, is a type of infrared imaging science.

Thermographic cameras detect radiation in the infrared range of the electromagnetic spectrum (roughly 900–14,000 nanometers or 0.9–14 μ m) and produce images of that radiation, called thermograms. Since infrared radiation is emitted by all objects based on their temperatures, according to the black body radiation law, thermography makes it possible to 'see' one's environment with or without visible illumination. The amount of radiation emitted by an object increases with temperature, therefore thermography allows one to see variations in temperature (hence the name). When viewed by thermographic camera, warm objects stand out well against cooler backgrounds; humans and other warm-blooded animals become easily visible against the environment, day or night. As a result, thermography's extensive use can historically be ascribed to the military and security services. 68 pp. Englisch.



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