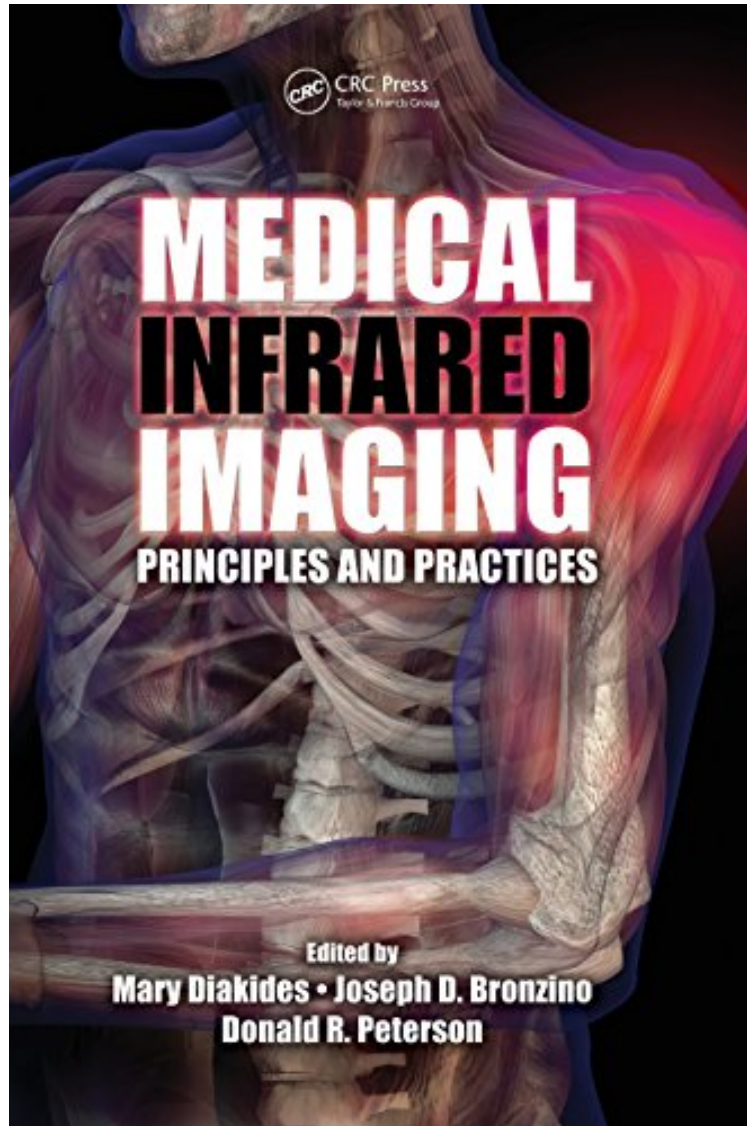


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From CRC Press : Medical Infrared Imaging: Principles and Practices before purchasing it in order to gauge whether or not it would be worth my time, and all praised Medical Infrared Imaging: Principles and Practices:

0 of 0 people found the following review helpful. Buy the 2008 edition instead By James S. Campbell This textbook is actually a new edition of "Medical Infrared Imaging", Diakides Bronzino eds., CRC Press 2008, with ten new chapters added. Unfortunately the added chapters are mostly too mathematical, theoretical, or experimental to pertain to the present practice of clinical IR imaging. Two of the new chapters are also rather shameless commercials for specific imaging equipment. In addition, the fine color thermographic images found in the 2008 edition were omitted from this

publication, a great loss as pseudo-color images are now routine in thermal imaging interpretation and reporting because they can highlight important findings that may be obscure in grey-scale. I suggest that unless you are interested in the experimental "cutting-edge" of IR research, and are proficient at calculus and matrix analysis, buy the 2008 edition instead. James Stewart Campbell, MD. MEDesign2 of 2 people found the following review helpful. all photos in b/w By Damiba medical it's impossible to consider the argument with b/w pictures inside. it's a shame, this is cheating if you sell it without warning that printing is b/w. I would pay more for color pictures inside. 0 of 0 people found the following review helpful. Fantastic book By rebajejan This is a great thorough book on the subject. Great condition. I am glad to have this book. Packaged carefully. Good book for thermography in which there is currently very little information.

The evolution of technological advances in infrared sensor technology, image processing, "smart" algorithms, knowledge-based databases, and their overall system integration has resulted in new methods of research and use in medical infrared imaging. The development of infrared cameras with focal plane arrays no longer requiring cooling, added a new dimension to this modality. *Medical Infrared Imaging: Principles and Practices* covers new ideas, concepts, and technologies along with historical background and clinical applications. The book begins by exploring worldwide advances in the medical applications of thermal imaging systems. It covers technology and hardware including detectors, detector materials, un-cooled focal plane arrays, high performance systems, camera characterization, electronics for on-chip image processing, optics, and cost-reduction designs. It then discusses the physiological basis of the thermal signature and its interpretation in a medical setting. The book also covers novel and emerging techniques, the complexities and importance of protocols for effective and reproducible results, storage and retrieval of thermal images, and ethical obligations. Of interest to both the medical and biomedical engineering communities, the book explores many opportunities for developing and conducting multidisciplinary research in many areas of medical infrared imaging. These range from clinical quantification to intelligent image processing for enhancement of the interpretation of images, and for further development of user-friendly high-resolution thermal cameras. These would enable the wide use of infrared imaging as a viable, noninvasive, low-cost, first-line detection modality.