



# The Science of Imaging, Second Edition

*Graham Saxby*

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# The Science of Imaging, Second Edition

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## **The Science of Imaging, Second Edition** Graham Saxby

Edited and expanded to keep pace with the digital revolution, the new edition of this highly popular and critically acclaimed work provides a comprehensive exploration of imaging science. Brilliantly written and extensively illustrated, **The Science of Imaging: An Introduction, Second Edition** covers the fundamental laws of physics as well as the cutting-edge techniques defining current and future directions in the field.

### **Improvements to this Edition Include:**

- A new chapter on astronomical imaging
- A larger format with a wealth of illustrations
- Major revisions in the areas of digital imaging and modern technology
- Updated references with links to a wealth of online resources—including teaching material and expanded information

This accessible introduction to the subject takes students on a grand tour of imaging. Starting with the fundamentals of light and basic cameras, the author journeys through television and holography to advanced scientific and medical imaging. He highlights essential formulas, while keeping the complex mathematics to a minimum. Copiously illustrated with a wealth of examples and a 16-page color insert, the text covers optics, imaging systems, materials, and image interpretation and creation in a manner that makes it easy to understand.

Praise for the critically acclaimed First Edition:

*It's the best book I have read on the subject at this level.*

—Ron Graham, *RPS Journal*

*... every student should read it, every photographer should own it, and every lecturer and journalist should know its contents inside out.*

—Jon Tarrant, *British Journal of Photography*

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