1.	Record Nr.	UNINA9910800167103321
	Autore	Saxby Graham
	Titolo	The science of imaging / / by Graham Saxby
	Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , [2011] ©2010
	ISBN	0-429-13191-7 1-4398-1287-X
	Edizione	[Second edition.]
	Descrizione fisica	1 online resource (360 p.)
	Disciplina	621.367
	Soggetti	Images, Photographic Photography - Processing Image processing Photography - Digital techniques
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"A Taylor & Francis Book."
	Nota di contenuto	Front cover; Dedication; Contents; Preface to the First Edition; Preface to the Second Edition; Acknowledgments; About the Author; Chapter 1. The Nature of Light; Chapter 2. Photometry, Lighting, and Light Filters; Chapter 3. Visual Perception; Chapter 4. Lens Principles; Chapter 5. Types of Lenses; Chapter 6. Resolution in Optical Systems; Chapter 7. Images in Color; Chapter 8. Still Cameras; Chapter 9. Motion and High-Speed Photography; Chapter 10. The Silver Halide Process; Chapter 11. Digital Recording of Images; Chapter 12. Halftone, Electrostatic, and Digital Printing Chapter 13. TelevisionChapter 14. Video Recording and Replay Systems; Chapter 15. Three-Dimensional Imaging; Chapter 16. Holography; Chapter 17. Astronomical Imaging; Chapter 18. Macrography, Micrography, and Microimaging; Chapter 19. Imaging the Invisible; Appendix 1: Logarithms: What They Are, What They Do; Appendix 2: How a Hologram Works; Appendix 3: The Fourier Model for Image Formation; Appendix 4: The Meaning of pH; Back cover
	Sommario/riassunto	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.