1. Record Nr. UNINA9910828390603321 Autore Saxby Graham Titolo The science of imaging / / by Graham Saxby Boca Raton, FL:,: CRC Press, an imprint of Taylor and Francis,, [2011] Pubbl/distr/stampa ©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

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