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Nota di contenuto	Front Cover; Alternate Light Source Imaging; Copyright Page; Contents; 1 Electromagnetic Radiation; 1.1 Light and the Electromagnetic Spectrum; 1.2 Properties of Light; 1.3 Light and Matter; 1.4 Luminescence; 2 Photographic Equipment for Alternate Light Source Imaging; 2.1 The Digital Camera and Alternate Light Photography; 2.2 Light Interpretation; 2.3 Camera File Formats; 2.4 ISO and Long Exposures; 2.5 Recommended Photographic Equipment; 3 UV and Narrowband Visible Light Imaging; 3.1 UV Reflectance and Fluorescence Photography; 3.2 Photographic Equipment; 3.2.1 Lenses; 3.2.2 Filters 3.3 UV Light Sources3.4 Effects of UV Radiation; 3.5 Alternate Light Sources; 3.6 Wavelength and Barrier Filter Selection; 3.7 Applications of UV Reflectance and Fluorescence Photography; 3.7.1 Fibers and Trace Evidence; 3.7.2 Gunshot Residue; 3.7.3 Bruising, Bite Marks, and Ligature Marks; 3.8 Domestic Violence Injuries; 3.8.1 Deceased Victims; 3.8.2 Fingerprints; 3.8.3 Body Fluids; 3.8.4 Bloodstains and Chemiluminescence; 3.8.5 Document Examination; 3.8.6 Paint and

Cleaning Agents; 4 Digital Infrared Photography; 4.1 Digital IR Photography
4.1.1 Cameras and Specialized Photographic Equipment
4.1.2 Specialized Cameras; 4.1.3 Light Sources; 4.1.4 Filters; 4.1.5 Photographic Considerations; 4.1.5.1 White Balance; 4.1.5.2 File Format; 4.1.5.3 International Organization for Standardization; 4.1.5.4 Lenses; 4.1.5.5 Focus Shift; 4.1.5.6 Aperture and Shutter Speed; 4.1.5.7 Resolution; 4.2 Forensic Applications of IR Photography; 4.2.1 Bloodstain Patterns; 4.2.2 Gunshot Residue; 4.2.3 Bruising; 4.2.4 Tattoos; 4.2.5 Fingerprint Powders and Dust Impressions; 4.2.6 Document Examination; 4.2.7 IR Luminescence; 5 Polarized Light Photography
References

Sommario/riassunto

Alternate Light Source Imaging provides a brief guide to digital imaging using reflected infrared and ultraviolet radiation for crime scene photographers. Clear and concise instruction illustrates how to accomplish good photographs in a variety of forensic situations. It demonstrates how tunable wavelength light sources and digital imaging techniques can be used to successfully locate and document physical evidence at the crime scene, in the morgue, or in the laboratory. The scientific principles that make this type of photography possible are described, followed by the basic steps t
