

INSTITUTE FOR FORENSIC IMAGING

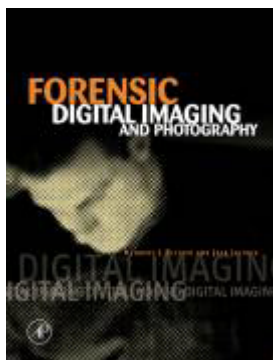
NEW RELEASE: By ACADEMIC PRESS

The complete guide to capturing, processing, and using photographic and video evidence

Forensic Digital Imaging and Photography

Herbert L. Blitzer & Jack Jacobia

Institute of Forensic Imaging
Indianapolis, Indiana, U.S.A.



Photographs and video images can provide some of the most compelling evidence in an investigation, and the latest digital cameras and imaging systems make tasks easier than ever before. But few police departments and crime labs are taking full advantage of this technology because of lack of information and training.

Forensic Digital Imaging and Photography covers each facet of digital imaging—how to select equipment, when to use it, how to produce a good image, and how to present that image in court. It clarifies the difference between what can be done digitally and what should be done in a forensic setting, and helps the reader “learn by doing” with exercises and step-by-step instructions. The images and exercises in the CD-ROM provide practical examples of the techniques described in the book.

The opening chapters teach the basics of digital imaging and how to choose the right tool for each job. The remaining chapters show how to:

- Scan original negatives and slides with a film scanner
- Scan photographs, line drawings, and documents with a flatbed scanner
- Select the best equipment for the job
- Select the best media for archiving
- Configure and use a digital imaging system

Exercises provide step-by-step instructions on how to:

- Size and set the resolution of an image
- Adjust highlights, shadows, contrast, color, density, etc.
- Record each action performed on the images
- Separate images into color channels
- Graphically compare wounds with weapons and compare handwriting exemplars with questioned samples, etc.
- Remove backgrounds from fingerprints using FFT filters
- Use a sizing tool to adjust images for direct comparison
- Use frequency filters to enhance hidden facial features
- Perform many additional tasks

AUDIENCE:

- Crime scene photographers and videographers
- Criminalists/forensic scientists
- Evidence technicians
- Questioned document examiners
- Latent fingerprint examiners
- Coroners and pathologists
- Police officers and supervisors
- Lawyers
- Photojournalists
- Investigators

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Approx 364 pages
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Contact:

Institute for Forensic Imaging
Attn: Kristy Trumpey
338 S. Arlington Ave., Suite 111
Indianapolis, IN 46219
Ph: 317/356-0245
Fax: 317/356-0227
Email: ifilab1@qwest.net

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