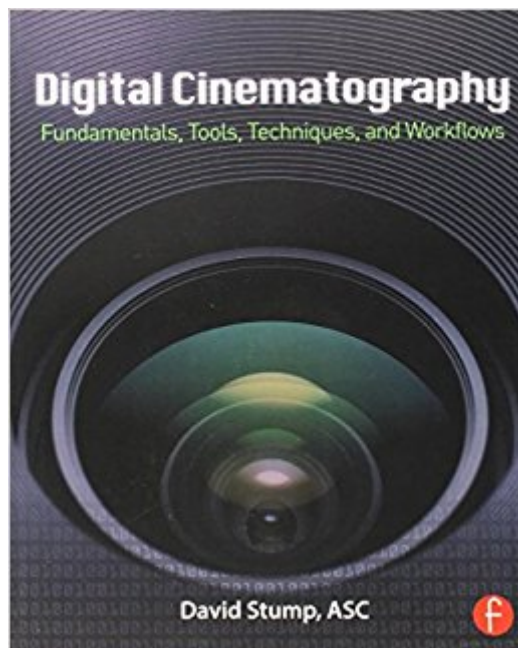




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Digital Cinematography: Fundamentals, Tools, Techniques, And Workflows



Synopsis

With the shift from film to digital, a new view of the future of cinematography has emerged.

Today's successful cinematographer must be equal parts artist, technician, and business-person. The cinematographer needs to master the arts of lighting, composition, framing and other aesthetic considerations, as well as the technology of digital cameras, recorders, and workflows, and must know how to choose the right tools (within their budget) to get the job done. David Stump's Digital Cinematography focusses primarily on the tools and technology of the trade, looking at how digital cameras work, the ramifications of choosing one camera versus another, and how those choices help creative cinematographers to tell a story. This book empowers you to both correctly choose the right camera and workflow for your project from today's incredibly varied options, as well as understand the ins and outs of implementing those options. Stump sheds a light on the confusing advantages and disadvantages of shooting theatrical features using digital technology and what it can or can't do. Topics covered include:

- * Detailed coverage of Arriflex, Blackmagic, Canon, Ikonoskop, Panasonic, Panavision, Phantom, Red, Silicon Imaging, Sony, and Weisscam digital motion picture cameras
- * Coverage of a wide variety of lenses, including Angenieux, Canon, Cooke, Fujinon, Hawk, Leica, Panavision, Red, Schneider, Sony, UniOptics, Vantage, and Zeiss
- * Coverage of recorders, displays, and look management tools
- * Exposure theory tips to learn how to correctly expose digital cameras
- * Focusing tips to learn how to focus digital cameras correctly
- * Checklists to help design digital workflows
- * Practical tips on preparation to prepare for shooting a digital motion picture like a professional
- * Camera set-up and operation, color management, digital intermediates, 3D stereo cinematography, future trends, and much more

If you aspire to be a successful cinematographer in this new digital age, or if you already are a working cinematographer in need of a resource to help you stay on top of your game, this is a must-read book.

Book Information

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Customer Reviews

"David Stump shares decades of sage experience, knowledge, and expertise in cinematography and the filmmaking process. Including insight from various notables in respective fields, Digital Cinematography is an important, engaging book essential to understanding existing theory, tools, and applications for the aspiring and working cinematographer, filmmaker, and those interested in how and what we see." - Keanu Reeves, Producer, Side by Side; Actor, 47 Ronin; A Scanner Darkly; The Matrix; Bill and Ted's Excellent Adventure

David Stump, ASC has worked on numerous motion pictures and television productions as Director of Photography, as Visual Effects Director of Photography, and as a Visual Effects Supervisor, garnering Emmy nominations and an Academy Award for Scientific and Technical Achievement. A member of the Producer's Guild of America (PGA), the Visual Effects Society (VES), the Society of Motion Picture & Television Engineers (SMPTE), the Academy of Television Arts & Sciences (ATAS), and the Academy of Motion Picture Arts and Sciences (AMPAS), Stump has worked in Digital Visual Effects for over 25 years, since the advent of Computer Generated Images for film. In 2001 he was accepted for full membership into the American Society of Cinematographers, where he is currently chairman of the Camera and Metadata Subcommittees of the ASC Technical Committee.

I'm very impressed by what the book covers. It extensively covers the technologies that digital cameras use. Everything from the sensor to the lens, and then discusses things like color spaces, sampling rates, aspect ratios etc. The the last half of the book is devoted to camera setup, workflows, and displays (monitors) and recorders. There's also mini sections on specific info about many of the pro/prosumer cameras (as of ~2013). There's certainly some good (even great) info in this book. I especially enjoyed the section on lenses and camera setup/operation. What I really didn't like was the first half of the book, for me it was painful to slog through that info because of how it was presented, and that was information that I was actually very interested in. For me though,

and let me preface this by saying that I have an engineering degree and have had lots of college level math and physics, I would have much preferred much fewer equations and graphs and charts and theorems, and history., and much more qualitative discussion about achieving various results, anecdotes about in-the-field situations etc. But judging by the other reviews, I may be in the minority with that opinion, which is fine.

Lot's of detailed reference material. Very good to have in a technical library.

Every digi shooters guide to really understanding this media! You can't fully exploit without knowledge. Thank you David Stump !!!

A completely thorough investigation of digital cinema filled with information about every format and methodology. I highly recommend this book.

I met David Stump at the "Global Cinematography Institute" this year, 2015, he teaches a class there, great instructor! If you cannot take the class with him, buy the book, it's excellent and very comprehensive.

Excellent book- the definitive source on the latest on the subject.

A comprehensive look at the digital world of cameras and their sensors. Great way to get oriented the the many details and terms used in defining this image acquisition system.

Finally, the definitive book on the art. Even if you know about the subject, you'll learn something.

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