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KEY=SLR - CAREY MARKS

Digital SLR Astrophotography [Cambridge University Press](#) *In the last few years, digital SLR cameras have taken the astrophotography world by storm. It is now easier to photograph the stars than ever before! They are compact and portable, flexible to adapt with different lenses and for telescope use, and above all DSLR cameras are easy and enjoyable to use. In this concise guide, experienced astrophotography expert Michael Covington outlines the simple, enduring basics that will enable you to get started, and help you get the most from your equipment. He covers a wide selection of equipment, simple and advanced projects, technical considerations and image processing techniques. Unlike other astrophotography books, this one focuses specifically on DSLR cameras, not astronomical CCDs, non-DSLR digital cameras, or film. This guide is ideal for astrophotographers who wish to develop their skills using DSLR cameras and as a friendly introduction to amateur astronomers or photographers curious about photographing the night sky.* **Digital SLR Astrophotography** [Cambridge University Press](#) *A definitive handbook to photographing the night sky using DSLR cameras, including projects for both beginners and more advanced enthusiasts.* **Digital Astrophotography: The State of the Art** [Springer Science & Business Media](#) *Provides novice to accomplished amateur astronomers with a firm grounding in the basics and successful use of digital astrophotography. Provides examples of the best images, and gives readers hints and tips about how to get the best out of this extraordinary technology. Experts in CCD astronomy from North America and Europe have contributed to this book, illustrating their help and advice with many beautiful colour images - the book is in full color throughout. Techniques range from using simple webcams to highly technical aspects such as supernovae patrolling. Computer processing, stacking and image-enhancement are detailed, along with many hints and tips from the experts.* **The Art of Astrophotography** [Cambridge University Press](#) *In The Art of Astrophotography, astronomer and Astronomy Now columnist Ian Morison provides the essential foundations of how to produce beautiful astronomical images. Every*

type of astroimaging is covered, from images of the Moon and planets, to the constellations, star clusters and nebulae within our Milky Way Galaxy and the faint light of distant galaxies. He achieves this through a series of worked examples and short project walk-throughs, detailing the equipment needed - starting with just a DSLR (digital single lens reflex) camera and tripod, and increasing in complexity as the book progresses - followed by the way to best capture the images and then how, step by step, these may be processed and enhanced to provide results that can rival those seen in astronomical magazines and books. Whether you are just getting into astrophotography or are already deeply involved, Morison's advice will help you capture and create enticing astronomical images. **Astrophotography for the Amateur** Cambridge University Press First published in 1999, this is an expanded and updated edition of the best-selling, standard handbook on astrophotography for amateurs. **Digital SLR Video and Filmmaking For Dummies** John Wiley & Sons Step-by-step guide for using your digital SLR to make quality video With digital SLR cameras becoming more and more popular as replacements for standalone video cameras, this book helps photographers become better videographers and shows videographers how to incorporate DSLRs into their work. The book includes an overview of the DSLR video tools and process and shows how to establish camera settings for effective capture, light a scene, get sound, and achieve the film look. The book also offers the basics on editing footage into a final product using common video editing tools. Offers everything needed to shoot, produce, and edit a professional looking videos using DSLR video equipment Written for both professional photographers and videographers and those just starting out Includes the steps for applying information to a film project, including developing a screenplay, approaching shooting like a cinematographer, and directing Contains a walkthrough of common video projects including making a music video, a wedding video, and video greeting card Digital SLR Video and Filmmaking for Dummies is designed to help photographers ramp up their video skills, videographers add DSLRs to their toolkits, and amateurs begin shooting their own short films and videos. **Budget Astrophotography Imaging with Your DSLR or Webcam** Springer Here are clear explanations of how to make superb astronomical deep-sky images using only a DSLR or webcam and an astronomical telescope - no expensive dedicated CCD cameras needed! The book is written for amateur astronomers interested in budget astrophotography - the deep sky, not just the Moon and planets - and for those who want to improve their imaging skills using DSLR and webcams. It is even possible to use existing (non-specialist astronomical) equipment for scientific applications such as high resolution planetary and lunar photography, astrometry, photometry, and spectroscopy. The introduction of the CCD revolutionized astrophotography. The availability of this technology to the amateur astronomy community has allowed advanced science and imaging techniques to become available to almost anyone willing to take the time to learn a few, simple techniques. Specialized cooled-chip CCD imagers are capable of superb results in the right hands - but they are all very expensive. If budget is important, the reader is advised on using a standard camera instead. Jensen provides techniques useful in acquiring beautiful high-quality images and high level scientific data in one accessible and easy-to-read book. It introduces techniques that will allow the reader to use more

economical DSLR cameras – that are of course also used for day-to-day photography – to produce images and data of high quality, without a large cash investment. **DSLR Photography for Beginners Take 10 Times Better Pictures in 48 Hours Or Less! Best Way to Learn Digital Photography, Master Your DSLR Camera & Improve Your Digital SLR Photography Skills Ebookit.com *** 2020 EDITION ***** *The Original "DSLR Photography for Beginners". Who Else Wants to Take Mind Blowing Pictures? If you want to stand out from the crowd and capture all those magic moments for posterity, you have come to the right place. Most guides to Digital SLR photography will overwhelm you with jargon, but you and I both know that's not what photography is all about. When I first started out, I couldn't find any course or guide that actually helped me become a better photographer. Everything out there was either packed to overflowing with technical terms or far too expensive for my means. All I wanted was to know how to take the photographs I could see in my mind - and nobody was helping me do that. That's why I've written this guide - so you don't have to go through what I did. Give Me Just 48 HOURS and I'll Make You TEN Times a Better Photographer And I will do it for less than the cost of a cup of coffee. Signing up for an expensive course can cost you upwards of \$1000. What a waste when all you need to know is in this book. Owning a Digital SLR Camera Is All About Taking Beautiful Pictures If you have paid out money to invest in a decent camera, I'm betting that, like me, you haven't done so just to learn how many buttons it has or what lenses are made out of. In this guide, we'll be sidestepping the boring technical information and focusing on what really matters showing you how to use your camera to take the photographs you've always dreamed of, using all the benefit of my many years of experience as a photographer and the hard-earned knowledge I have gathered along the way. Some of the things we'll cover are: - The tricks and techniques the professionals use to make magic with their lens. - How to tell stories with your camera by manipulating your angles and framing. - Everything that makes an image pop, from the rule of thirds to context and focal points. - How to mix things up with specialized alternatives, from wide angle to telephoto and fish eye to tilt and shift. - How to use polarizing filters, neutral density filters and ultraviolet filters to best effect. - How to see images like the professionals do and use your equipment to get the shot you want. - Developing an Eye for Photography IS Possible - Even If You're a Complete Beginner! Even if you have never picked up a camera in your life, this book will help you look at everyday scenes with the practice eyes of a professional. By the time you complete this guide, you will know exactly what makes a photograph work - and exactly how to take it. This book covers all you need to know about your digital SLR camera and developing an eye for photography. Since the first edition was published back in 2013, till today - THOUSANDS of readers have already proved this right. All that you need is found inside. So take action! Click the BUY button and get started right away on your way to become an amazingly skilled photographer! **Digital SLR Cameras and Photography For Dummies John Wiley & Sons** **The Astrophotography Manual A Practical and Scientific Approach to Deep Space Imaging CRC Press** Capturing the serene beauty of planets, stars, and celestial bodies is both fine art and scientific discovery. Fascinating, challenging, and extremely rewarding, astrophotography is a pursuit that is greatly enhanced by gaining access to the type of detailed instruction this*

book offers, with charts, tables, over (number of TK) images, and real-life troubleshooting advice in detailed case studies. *The Astrophotography Manual* is for those astrophotographers who wish to swiftly move beyond using standard SLR cameras and Photoshop, and who are ready to create beautiful images of nebulae, galaxies, clusters, and the solar system. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from equipment choice and set-up, through image acquisition, image calibration, and processing. Along the way it explains how sensor performance and light pollution relate to image quality and exposure planning. This book will satisfy the technical and practical reader and uses case studies to illustrate the entire process, using a range of equipment (including tablets and smartphones), exploring deep sky and planetary objects, and utilizing a variety of software, including Maxim, Nebulosity, Photoshop, RegiStax and PixInsight. **The Caldwell Objects and How to Observe Them** Springer Science & Business Media When Mike Inglis, who consults for Springer, first asked me to write a Caldwell book in their "and How to Observe Them" series I admit I did need some time to think the suggestion over. I am a fan of Patrick's Caldwell catalog as are most of the amateur astronomers I know, but could a new book be justified when the massive, comprehensive, and wrist-spraining Caldwell tome by Stephen O'Meara covers the subject fully anyway? That other book was researched and written over a 5-year period in the pre-9/11 world from 1996 to 2001, and its 484 pages of descriptive text and background data are a joy to peruse, as are Stephen's impressive sketches. OK, the book is far too heavy for the binding and after a few trips outside half the pages in my copy fell out, but apart from that it is an excellent book and surely impossible to improve upon, or even equal, especially in a smaller format book with only half the pages available; at least, that was my initial impression when I mulled over writing another Caldwell book. However, I changed my mind, because a number of events of astronomical significance have occurred in the last 10 years. First and foremost backyard imaging of deep sky objects, especially color imaging, has come on in leaps and bounds in the twenty-first century. **The Astrophotography Manual A Practical and Scientific Approach to Deep Sky Imaging** Taylor & Francis *The Astrophotography Manual, Second Edition* is for photographers ready to move beyond standard SLR cameras and editing software to create beautiful images of nebulae, galaxies, clusters, and the stars. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment to image capture, calibration, and processing. This combination of technical background and hands-on approach brings the science down to earth, with practical methods to ensure success. This second edition now includes: Over 170 pages of new content within 22 new chapters, with 600 full-color illustrations. Covers a wide range of hardware, including mobile devices, remote control and new technologies. Further insights into leading software, including automation, Sequence Generator Pro and PixInsight Ground-breaking practical chapters on hardware and software as well as alternative astrophotography pursuits **Fundamentals of Digital Imaging** Cambridge University Press Introduction to digital imaging covering core techniques of image capture and display of monochrome and color images. Presents fundamental tools within a powerful mathematical framework. Containing illustrations, examples, and

homework problems this book is suitable for advanced undergraduates and graduates in electrical engineering and computer science, and practitioners in industry. **The Observer's Guide to Planetary Motion Explaining the Cycles of the Night Sky** Springer To the naked eye, the most evident defining feature of the planets is their motion across the night sky. It was this motion that allowed ancient civilizations to single them out as different from fixed stars. "The Observer's Guide to Planetary Motion" takes each planet and its moons (if it has them) in turn and describes how the geometry of the Solar System gives rise to its observed motions. Although the motions of the planets may be described as simple elliptical orbits around the Sun, we have to observe them from a particular vantage point: the Earth, which spins daily on its axis and circles around the Sun each year. The motions of the planets as observed relative to this spinning observatory take on more complicated patterns. Periodically, objects become prominent in the night sky for a few weeks or months, while at other times they pass too close to the Sun to be observed. "The Observer's Guide to Planetary Motion" provides accurate tables of the best time for observing each planet, together with other notable events in their orbits, helping amateur astronomers plan when and what to observe. Uniquely each of the chapters includes extensive explanatory text, relating the events listed to the physical geometry of the Solar System. Along the way, many questions are answered: Why does Mars take over two years between apparitions (the times when it is visible from Earth) in the night sky, while Uranus and Neptune take almost exactly a year? Why do planets appear higher in the night sky when they're visible in the winter months? Why do Saturn's rings appear to open and close every 15 years? This book places seemingly disparate astronomical events into an understandable three-dimensional structure, enabling an appreciation that, for example, very good apparitions of Mars come around roughly every 15 years and that those in 2018 and 2035 will be nearly as good as that seen in 2003. Events are listed for the time period 2010-2030 and in the case of rarer events (such as eclipses and apparitions of Mars) even longer time periods are covered. A short closing chapter describes the seasonal appearance of deep sky objects, which follow an annual cycle as a result of Earth's orbital motion around the Sun. **Ubiquity Photography's Multitudes** Leuven University Press From its invention to the internet age, photography has been considered universal, pervasive, and omnipresent. This anthology of essays posits how the question of when photography came to be everywhere shapes our understanding of all manner of photographic media. Whether looking at a portrait image on the polished silver surface of the daguerreotype, or a viral image on the reflective glass of the smartphone, the experience of looking at photographs and thinking with photography is inseparable from the idea of ubiquity—that is, the apparent ability to be everywhere at once. While photography's distribution across cultures today is undeniable, the insidious logics and pervasive myths that have governed its spread demand our critical attention, now more than ever. **Tony Northrup's DSLR Book: How to Create Stunning Digital Photography** Tony Northrup The top-rated and top-selling photography ebook since 2012 and the first ever Gold Honoree of the Benjamin Franklin Digital Award, gives you five innovations no other book offers: Free video training. 9+ HOURS of video training integrated into the book's content (requires Internet access). Travel around the world with Tony and

Chelsea as they teach you hands-on. Appendix A lists the videos so you can use the book like an inexpensive video course. Classroom-style teacher and peer help. After buying the book, you get access to the private forums on this site, as well as the private Stunning Digital Photography Readers group on Facebook where you can ask the questions and post pictures for feedback from Tony, Chelsea, and other readers. It's like being able to raise your hand in class and ask a question! Instructions are in the introduction. Lifetime updates. This book is regularly updated with new content (including additional videos) that existing owners receive for free. Updates are added based on reader feedback and questions, as well as changing photography trends and new camera equipment. This is the last photography book you'll ever need. Hands-on practices. Complete the practices at the end of every chapter to get the real world experience you need. 500+ high resolution, original pictures. Detailed example pictures taken by the author in fifteen countries demonstrate both good and bad technique. Many pictures include links to the full-size image so you can zoom in to see every pixel. Most photography books use stock photography, which means the author didn't even take them. If an author can't take his own pictures, how can he teach you? In this book, Tony Northrup (award-winning author of more than 30 how-to books and a professional portrait, wildlife, and landscape photographer) teaches the art and science of creating stunning pictures. First, beginner photographers will master: Composition Exposure Shutter speed Aperture Depth-of-field (blurring the background) ISO Natural light Flash Troubleshooting blurry, dark, and bad pictures Pet photography Wildlife photography (mammals, birds, insects, fish, and more) Sunrises and sunsets Landscapes Cityscapes Flowers Forests, waterfalls, and rivers Night photography Fireworks Raw files HDR Macro/close-up photography Advanced photographers can skip forward to learn the pro's secrets for: Posing men and women. including corrective posing (checklists provided) Portraits (candid, casual, formal, and underwater) Remotely triggering flashes Using bounce flash and flash modifiers Using studio lighting on any budget Building a temporary or permanent studio at home Shooting your first wedding High speed photography Location scouting/finding the best spots and times Planning shoots around the sun and moon Star trails (via long exposure and image stacking) Light painting Eliminating noise Focus stacking for infinite depth-of-field Underwater photography Getting close to wildlife Using electronic shutter triggers Photographing moving cars Photographing architecture and real estate

Astronomical Spectroscopy for Amateurs [Springer Science & Business Media](#) *Astronomical Spectroscopy for Amateurs* is a complete guide for amateur astronomers who are looking for a new challenge. After a brief overview of the development of spectrometers and an introduction to the theory of stellar spectra, the book goes on to examine the various types of spectrometers available to amateurs. Next, practical sections address all aspects of setting-up and using various types of commercially-available and home-built spectrometers. A final part gives detailed instructions for the design and construction of three different spectrometers, along with the necessary design theory (minimal math). The home-made spectrometers have performance capabilities near or equal to commercial units but are constructed using basic hand tools for a fraction of the cost! This up-to-date practical spectroscopy book will enable amateur astronomers to develop the

skills and equipment needed to prepare scientifically acceptable spectra data, and to make a valuable contribution to ProAm projects. **Nikon D3200 For Dummies** [John Wiley & Sons](#) A full-color guide to Nikon's exciting new entry-level dSLR With its large 24.2 megapixel sensor, full HD video recording capability, and wireless options, the Nikon D3200 is very appealing! This full-color guide assumes no prior digital photography or dSLR knowledge and helps you start taking great pictures with your new Nikon right from the beginning. Popular author and photography instructor Julie Adair King shows you how to use all the settings, manage playback options, take control with manual modes, work with video, and edit and share your images. It's like a personal course in beginning dSLR photography. New dSLR users will quickly gain skills and confidence with the step-by-step, colorfully illustrated instructions in this beginner's guide to the Nikon D3200 camera Explains how to use all the new features of the Nikon D3200, including a 24-megapixel sensor, 11 autofocus points, 4 frame-per-second shooting, full HD video capabilities, and a WiFi feature that lets you control the camera remotely or preview images on your smartphone Covers auto and manual modes, playback options, working with exposure and focus, shooting video, editing and sharing photos, troubleshooting, and photography tips Popular author has written more than 15 For Dummies books on Nikon and Canon cameras Nikon D3200 For Dummies is the easy, full-color, and fun way to start making the most of your new camera right away. **Photographer's Guide to the Panasonic Lumix LX3 Getting the Most from Panasonic's Versatile Digital Camera** [White Knight Press](#) Photographer's Guide to the Panasonic Lumix LX3: Getting the Most from Panasonic's Versatile Digital Camera is a follow-up to the author's well-received guide to a very similar camera, the Leica D-Lux 4. This new guidebook covers all features and operations of the LX3, one of the most highly esteemed compact digital cameras of recent years. In 232 pages, with numerous color photographs and illustrations, the book explains in plain language how to achieve the best possible results taking pictures with the automatic or manual controls of the LX3. Although much of the information in this book is similar to that in the earlier book about the Leica D-Lux 4 camera, this new volume is updated to include several new features that were added to both cameras when their internal firmware (operating system) was upgraded to version 2.0. These new features include white balance bracketing, 1:1 aspect ratio, lens resume, and several others. Therefore, the book will be useful to users of the latest versions of both the Panasonic Lumix LX3 and the Leica D-Lux 4. **Photographer's Guide to the Leica D-Lux 5 Getting the Most from Leica's Compact Digital Camera** [White Knight Press](#) Photographer's Guide to the Leica D-Lux 5 is a follow-up to the author's earlier guides to the Leica D-Lux 4, Panasonic Lumix LX3, and Panasonic Lumix LX5 digital cameras. The new book, like the earlier ones, explains all operations, features, menus, and controls of the camera in clear language, providing guidance not only about how to accomplish things with the camera, but when and why to use certain features. The book does not assume any specialized knowledge by the reader, but adopts a patient and helpful tone in explaining topics such as autofocus, manual focus, aperture priority, shutter priority, macro photography, and RAW files. Besides providing guidance about all basic operations of the camera, the book includes introductions to advanced topics including astrophotography, infrared photography, street

photography, and creating 3D images. The book is illustrated with more than 150 color photographs and includes a full table of contents and index. **Photographer's Guide to the Panasonic Lumix Lx5 Getting the Most from Panasonic's Advanced Digital Camera** [White Knight Press](#) *Photographer's Guide to the Panasonic Lumix LX5: Getting the Most from Panasonic's Advanced Digital Camera* is the third book in a series by Alexander S. White. His previous guides to the Leica D-Lux 4 and Panasonic Lumix LX3 were extremely well received by enthusiasts searching for comprehensive books that explain the features and operation of some of the most sophisticated compact digital cameras being sold today. The current book is a detailed resource, illustrated by more than 150 color photographs, that covers all operations, menus, and controls of the Panasonic Lumix LX5, the newest in a line of highly sophisticated, yet very portable cameras that are equipped with full manual controls as well as advanced digital technology. The book provides detailed guidance to beginning, intermediate, and more experienced photographers in plain English. The photographs illustrate the camera's menus and controls, and provide examples of many of the camera's shooting modes and special effects. For those who find the documentation provided by the camera's manufacturer to be hard to read and difficult to understand, this book fills an information gap and serves as a single source of information to let the photographer derive the maximum benefit from his or her Panasonic Lumix LX5 camera. **Viewing and Imaging the Solar System A Guide for Amateur Astronomers** [Springer](#) *Viewing and Imaging the Solar System: A Guide for Amateur Astronomers* is for those who want to develop their ability to observe and image Solar System objects, including the planets and moons, the Sun, and comets and asteroids. They might be beginners, or they may have already owned and used an astronomical telescope for a year or more. Newcomers are almost always wowed by sights such as the rings of Saturn and the moons of Jupiter, but have little idea how to find these objects for themselves (with the obvious exceptions of the Sun and Moon). They also need guidance about what equipment, besides a telescope, they will need. This book is written by an expert on the Solar System, who has had a lot of experience with outreach programs, which teach others how to make the most of relatively simple and low-cost equipment. That does not mean that this book is not for serious amateurs. On the contrary, it is designed to show amateur astronomers, in a relatively light-hearted—and math-free way—how to become serious. **Using Commercial Amateur Astronomical Spectrographs** [Springer Science & Business Media](#) Amateur astronomers interested in learning more about astronomical spectroscopy now have the guide they need. It provides detailed information about how to get started inexpensively with low-resolution spectroscopy, and then how to move on to more advanced high-resolution spectroscopy. Uniquely, the instructions concentrate very much on the practical aspects of using commercially-available spectroscopes, rather than simply explaining how spectroscopes work. The book includes a clear explanation of the laboratory theory behind astronomical spectrographs, and goes on to extensively cover the practical application of astronomical spectroscopy in detail. Four popular and reasonably-priced commercially available diffraction grating spectrographs are used as examples. The first is a low-resolution transmission diffraction grating, the Star Analyser spectrograph. The second is an inexpensive fiber optic coupled bench

spectrograph that can be used to learn more about spectroscopy. The third is a newcomer, the ALPY 600 spectrograph. The fourth spectrograph considered is at the other end of the market both in performance and cost, the high-resolution Lhires III. While considerably more expensive, this is a popular and excellent scientific instrument, that allows more advanced amateur astronomers to produce scientifically valuable data. With all of these tools in place, the amateur astronomer is well-prepared to forger deeper into the night sky using spectroscopy. **Complete Guide to Digital Infrared Photography** [Sterling Publishing Company, Inc.](#)

Cameras can capture what the eye can't perceive: the presence of infrared light. And shooting infrared (IR) with a digital camera makes it easier than ever to create distinctively dreamlike, high-contrast black-and-white pictures. Using a wealth of stunning images, this thorough resource explores the technical and creative possibilities of this unique and increasingly popular medium. Get tips on focus and exposure; IR filters; and having a camera converted to shoot specifically in infrared. Follow instructions for processing and printing the photos--including toner effects and faux color. One glance through this guide and it's clear why infrared pictures are fun to take and beautiful to look at. **The Astrophotographer's Guidebook A Complete Guide to the Best Astrophotography Targets of the Year** Discover 60 Deep Sky Objects that will considerably improve your Imaging and Processing skills! Whether you are a beginner, intermediate, or advanced astrophotographer, this detailed book of the best deep sky objects will serve as a personal guide for years to come! Discover which star clusters, nebulae, and galaxies are the easiest and most impressive to photograph for each season. Learn how to find each object in the night sky, and read our recommendations on imaging them in a quick and comprehensive way. Each target listed in this guide contains our advice on imaging, photos of expected results, and a useful information table. We've also included a few cool facts about each target, a map to find it in the night sky, and more! **A Stargazing Program for Beginners A Pocket Field Guide** [Springer](#) Sets out a simple month-by-month program to reveal all of the night sky's biggest and most beautiful secrets in just one year - and with only a few hours of stargazing each month By investing just an hour a week and \$50 in binoculars, it's possible to learn a few simple techniques and quickly gain a real insight into the night sky's ever-changing patterns - and what they tell us about Earth, the seasons and ourselves. Searching more for a learned appreciation of nature and our exact place within the cosmos than academic scientific knowledge, science and travel writer Jamie Carter takes the reader on a 12 month tour of the night sky's incredible annual rhythms that say so much about Earth. During the journey he learns about the celestial mechanics at work in the skies above that are - to the beginner - almost beyond belief. As well as the vital constellations and clusters, and the weird and wonderful nebulas, he searches out "dark sky destinations" across the globe that help increase knowledge and give a new perspective on familiar night sky sights. On the journey he witnesses a solar eclipse and grapples with star-charts, binoculars, smartphone apps, telescopes, spots satellites and attempts basic astro-photography. By year's end, the reader will be able to glance at the night sky from anywhere on the planet and tell what direction he or she is facing, what time it is, where all the planets are and even where the Galactic Center Point is. **The Backyard Astronomer's Guide**

*Firefly Books Limited Discusses the practical aspects of stargazing, including how to choose appropriate equipment, contending with light pollution, taking successful photographs of galaxies and nebulas, and selecting an observing site. **Hacking Digital Cameras** John Wiley & Sons Incorporated Provides step-by-step instructions for more than twenty modifications for digital cameras, including building a remote control, creating car mounts, and making a home light studio. **Photographer's Guide to the Sony DSC-RX100 VII Getting the Most from Sony's Advanced Compact Camera** White Knight Press This book is a complete manual for users of the Sony Cyber-shot DSC-RX100 VII camera, one of the most advanced, but still pocketable, cameras available. With this book, author Alexander White provides users of the RX100 VII with a guide to all aspects of the camera's operation, including its many advanced settings for autofocus and exposure control. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to take still images and record video with the RX100 VII, and explains when and why to use the camera's many features. The book provides details about the camera's automatic and advanced shooting modes, including continuous shooting at rates as fast as 20 frames per second, with short bursts as fast as 90 frames per second, as well as its numerous menu options for shooting, playback, and setup. The book includes information about using Wi-Fi and Bluetooth connections for image transfer, remote control, and adding location information to images. The book has more than 500 color photographs or illustrations that help explain the camera's menus, shooting screens, and features. These images include examples of photographs taken using the RX100 VII's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, low-light, and action shots; and the Creative Style and Picture Effect menu options, with settings that alter the appearance of images. The book also provides introductions to topics such as street photography, astrophotography, and digiscoping, with photographic examples. The book includes a full discussion of the video features of the RX100 VII, which can shoot HD and 4K (ultra-HD) movies, and which offers manual control of exposure and focus during movie recording. The book explains the camera's numerous features that are useful for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book provides detailed information about recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX100 VII, including cases, power sources, grips, remote controls, and filter adapters, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX100 VII includes a detailed index, so the reader can quickly find needed information about any particular feature or aspect of the camera. **High Dynamic Range Video From Acquisition, to Display and Applications** Academic Press At the time of rapid technological progress and uptake of High Dynamic Range (HDR) video content in numerous sectors, this book provides an overview of the key supporting technologies, discusses the effectiveness of various techniques, reviews the initial standardization efforts and explores new research directions in all aspects involved in HDR video systems. Topics addressed*

include content acquisition and production, tone mapping and inverse tone mapping operators, coding, quality of experience, and display technologies. This book also explores a number of applications using HDR video technologies in the automotive industry, medical imaging, spacecraft imaging, driving simulation and watermarking. By covering general to advanced topics, along with a broad and deep analysis, this book is suitable for both the researcher new or familiar to the area. With this book the reader will: Gain a broad understanding of all the elements in the HDR video processing chain Learn the most recent results of ongoing research Understand the challenges and perspectives for HDR video technologies Covers a broad range of topics encompassing the whole processing chain in HDR video systems, from acquisition to display Provides a comprehensive overview of this fast emerging topic Presents upcoming applications taking advantages of HDR

Inside PixInsight Springer PixInsight has taken the astro-imaging world by storm. As the first comprehensive postprocessing platform to be created by astro-imagers for astro-imagers, it has for many replaced other generic graphics editors as the software of choice. PixInsight has been embraced by professionals such as the James Webb (and Hubble) Space Telescope's science imager Joseph DePasquale and Calar Alto's Vicent Peris, as well as thousands of amateurs around the world. While PixInsight is extremely powerful, very little has been printed on the subject. The first edition of this book broke that mold, offering a comprehensive look into the software's capabilities. This second edition expands on the several new processes added to the PixInsight platform since that time, detailing and demonstrating each one with a now-expanded workflow. Addressing topics such as PhotometricColorCalibration, Large-Scale Pixel Rejection, LocalNormalization and a host of other functions, this text remains the authoritative guide to PixInsight.

Nikon D3400 For Dummies John Wiley & Sons Discover the essentials to getting better photos with the Nikon DSLR D3400 The Nikon D3400 hits stores as Nikon's most advanced entry-level DSLR camera. Along with the pixel power to deliver sharp images, it also offers tools to be instantly creative and quickly share photos to a smartphone. This book will get you up to speed on the D3400 in a flash—teaching you all the basic photography skills needed to get great shots from a DSLR camera, while also giving you clear, hands-on guidance through the D3400's specific controls. Nikon D3400 for Dummies helps you learn the ins and outs of the Nikon D3400, including how to get started right away in auto mode, get creative with scene modes, and take full control in manual mode. Filled with practical, easy-to-follow instructions, this book will help you transform from an inexperienced beginner to an advanced shutterbug whose shots could grace the cover of any popular magazine. Get the lowdown on the controls and settings on a Nikon D3400 Learn how pro photographers set their cameras to get better shots Discover the tools that control your camera's exposure settings Put your newfound knowledge together to shoot better portraits, action shots, and low-light images If you're ready to put down your dinky, dim-lit, non-zooming smartphone and pick up a real professional-grade DSLR camera, do so with the help of Nikon D3400 for Dummies.

The Fundamentals of Digital Photography A&C Black Provides a carefully devised guide to the practice of photography within a digital workflow to improve any photographer's digital images.

Single-Sensor Imaging Methods and Applications for Digital Cameras CRC Press A Decade of Extraordinary Growth

The past decade has brought a surge of growth in the technologies for digital color imaging, multidimensional signal processing, and visual scene analysis. These advances have been crucial to developing new camera-driven applications and commercial products in digital photography. *Single-Sensor Imaging: Methods and Applications for Digital Cameras* embraces this extraordinary progress, comprehensively covering state-of-the-art systems, processing techniques, and emerging applications. *Experts Address Challenges and Trends Single-Sensor Imaging: Methods and Applications for Digital Cameras* presents leading experts elucidating their own accomplishments in developing the technologies reshaping this field. The editor invited renowned authorities to address specific research challenges and recent trends in their particular areas of expertise. The book discusses single-sensor digital color imaging fundamentals, including reusable embedded software platform, digital camera image processing chain, optical filter and color filter array designs. It also details the latest techniques and approaches in contemporary and traditional digital camera color image processing and analysis for various sophisticated applications, including: Demosaicking and color restoration White balancing and color transfer Color and exposure correction Image denoising and color enhancement Image compression and storage formats Red-eye detection and removal Image resizing Video-demosaicking and superresolution imaging Image and video stabilization A Solid Foundation of Knowledge to Solve Problems *Single-Sensor Imaging: Methods and Applications for Digital Cameras* builds a strong fundamental understanding of theory and methods for solving many of today's most interesting and challenging problems in digital color image and video acquisition, analysis, processing, and storage. A broad survey of the existing solutions and relevant literature makes this book a valuable resource both for researchers and those applying rapidly evolving digital camera technologies. **Crime Scene Photography Elsevier** *Crime Scene Photography* is a book wrought from years of experience, with material carefully selected for ease of use and effectiveness in training, and field tested by the author in his role as a Forensic Services Supervisor for the Baltimore County Police Department. While there are many books on non-forensic photography, none of them adequately adapt standard image-taking to crime scene photography. The forensic photographer, or more specifically the crime scene photographer, must know how to create an acceptable image that is capable of withstanding challenges in court. This book blends the practical functions of crime scene processing with theories of photography to guide the reader in acquiring the skills, knowledge and ability to render reliable evidence. Required reading by the IAI Crime Scene Certification Board for all levels of certification Contains over 500 photographs Covers the concepts and principles of photography as well as the "how to" of creating a final product Includes end-of-chapter exercises **The Complete Guide to Fujifilm's X-100F (B&W Edition)** Lulu.com Written for Fujifilm's outstanding X100F street camera, this is EVERYTHING X100F explained in easy to understand language! It is the Manual on Steroids and much more... So if you're uncertain about anything your X100F does, grab this book! It's packed with clear tutorials and examples, with over 400 tips, tricks, and tweaks to help you master photography with your X100F. In this 584-page full-color eBook, you'll learn: * About every mode, menu, button, function, and socket. * How the new Fujifilm flash system

works. * How to capitalize on a 1/2000th flash sync speed - RHSS. * All about the EF-X500 and Fujifilm wireless flash. * Why the OVF is so, so good - and how to have fun with it. Plus more! **Chivalry The Path of Love** [Chronicle Books Llc](#) Examines chivalry in the context of the Middle Ages **Lessons from the Masters Current Concepts in Astronomical Image Processing** [Springer Science & Business Media](#) There are currently thousands of amateur astronomers around the world engaged in astrophotography at a sophisticated level. Their ranks far outnumber professional astronomers doing the same and their contributions both technically and artistically are the dominant drivers of progress in the field today. This book is a unique collaboration of individuals world-renowned in their particular area and covers in detail each of the major sub-disciplines of astrophotography. This approach offers the reader the greatest opportunity to learn the most current information and the latest techniques directly from the foremost innovators in the field today. "Lessons from the Masters" includes a brilliant body of recognized leaders in astronomical imaging, assembled by Robert Gendler, who delivers the most current, sophisticated and useful information on digital enhancement techniques in astrophotography available today. Each chapter focuses on a particular technique, but the book as a whole covers all types of astronomical image processing, including processing of events such as eclipses, using DSLRs, and deep-sky, planetary, widefield, and high resolution astronomical image processing. Recognized contributors include deep-sky experts such as Jay GaBany, Tony Hallas, and Ken Crawford, high-resolution planetary expert Damian Peach, and the founder of TWAN (The World at Night) Babak A. Tafreshi. A large number of illustrations (150, 75 in color) present the challenges and accomplishments involved in the processing of astronomical images by enthusiasts. **Time-lapse Photography: A Complete Introduction to Shooting, Processing, and Rendering Time-lapse Movies with a DSLR Camera** [LearnTimelapse.com](#) A complete introduction to shooting, processing and rendering time-lapse movies with a DSLR camera. Written for new and intermediate DSLR users and time-lapse photographers this guide offers a detailed and easy to follow photo rich workflow to capture and produce great time-lapse movies. **The DSLR Filmmaker's Handbook Real-World Production Techniques** [John Wiley & Sons](#) Learn to shoot professional-quality HD footage with your DSLR Camera The DSLR Filmmaker's Handbook, 2nd Edition is the expertguide to getting professional movie-making results with an HDvideo-enabled DSLR camera. Fully updated to reflect the latesttechnology, this updated edition provides guidance toward bestpractices and techniques that maximize results. Shooting HD videowith a DSLR has many benefits — and also a few trickydrawbacks — but this guide gives you the insight and trainingyou need to overcome these challenges as you learn what toanticipate, how to work around it, and how to fix imperfections inpost-production. Award winning independent filmmaker BarryAndersson walks you through the shooting process and shows you whatto do before, during, and after filming to ensure high qualityresults. Most of today's DSLRs have the capacity to shoot HD video. This,combined with incredible low-light capabilities, shallow depth offield, and relatively low price point make these cameras anextremely attractive entry point for would-be independentfilmmakers. This book shows you how to exploit your DSLR'scapabilities to produce beautiful film, with step-by-step expertinstruction.

Understand the limitations of DSLR video Learn what to plan for before filming begins Exploit HD capabilities to maximize the film's visuals Produce professional-level, film-quality footage With thorough explanations and expert instruction, The DSLRFilmmaker's Handbook, 2nd Edition is the training you need to start shooting beautiful HD footage.