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Nikon D70 Digital Field Guide Focus on Close-up and Macro Photography The Complete Guide to Macro and Close-Up Photography The Hasselblad Manual Nikon D200 Digital Field Guide A Photographer's Guide to Focus and Autofocus The Essential Underwater Photography Manual Digital SLR Photography All-in-One For Dummies The Underwater Photographer Canon Lenses Video Projects for Elementary and Middle Schools Canon EOS 7D Digital Field Guide Popular Photography Popular Photography Applied Photographic Optics Nikon D5200 Digital Field Guide Popular Photography Manual of Forensic Odontology, Fifth Edition Popular Photography The Complete Photo Manual Popular Photography The New Complete Guide to Wildlife Photography Popular Photography Going Pro for \$200 & How to Choose a Prime Lens Nikon D600 Digital Field Guide Nikon Z fc For Dummies The Sony A7 II David Busch's Sony Alpha a7C Guide to Digital Photography Exposure Photo Workshop Popular Photography Nikon D5300 Digital Field Guide How to Photograph Under-water Beyond Point-and-Shoot Popular Photography Nikon D5100 For Dummies Canon EOS Rebel T3/1100D Digital Field Guide Popular Photography The New Language of Digital Photography Popular Photography Nikon D5000 For Dummies

Congratulations! You have one of the most versatile, feature-rich digital SLRs on the market, and this full-color guide helps you make the most of it. Learn how to set up your Nikon D70 or D70s and adjust it for every subject and circumstance. Get professional advice on choosing lenses, composing more than twenty-five types of shots, even downloading and displaying your photos. Wherever your imagination takes you, take this book along. Use the Quick Tour to get the feel of your camera right away Shift easily between semi-automatic and manual modes Work with flash and available lighting to achieve different effects Explore special lenses like macro, vibration reduction, and teleconverters Discover the secrets of perfect action, business, portrait, or nature photography Make downloading and editing problem-free Full-color guide to everything you need to get the most out of your Nikon D5000! The Nikon D5000 packs a lot of punch into a camera that beginners will love, and now you can pack an equal amount of punch into the digital photographs you take with your new Nikon. Whether you want to understand the D5000's new exposure settings or learn photography basics such as aperture, shutter speed, and downloading photos, this book delivers. Walks you through the new Nikon D5000's features, including a 12.3 megapixel sensor, 19 auto-exposure modes, and a swivel viewfinder Shows beginners who may be new to DSLR cameras how to take good digital photographs—from using the right settings for things like sunsets, candelight, or portraits—to downloading to your computer and printing Demonstrates beginning to advanced techniques with over 200 full-color photos, giving you plenty of great ideas of what you can accomplish Offers practical tips and ideas from two expert digital photographers and authors Don't be intimidated by your new digital camera! This friendly For Dummies guide will get you up and running in no time. Everything you need to know to take amazing photos with your Nikon D600 This full-color, portable guide goes beyond the owner's manual to deliver clear, succinct descriptions of how the Nikon D600's features and functions work. Perfectly sized to fit in your camera bag, this portable guide offers professional advice on everything from composing a variety of shots to choosing lenses and downloading photos. Veteran author J. Dennis Thomas clearly explains how to get the exact shots you want, when you want them, and shares beautiful color photos from his own collection. Features step-by-step instructions and full-color images of each menu screen Teaches you how to adjust white balance, autofocus, exposure, and choose lenses, and when and why to use each of those settings Covers the essentials of lighting, composition, and exposure Includes a bonus gray and color checker card that allows new DSLR owners to capture perfect color in any environment. Packed with amazing examples, Nikon D600 Digital Field Guide helps you master all the menus, modes and controls of this feature-filled dSLR, and presents you with a variety of tips and tricks to capturing portraits, candid, sports, travel, macro photography, and much more. Everything you need to know to take amazing photographs using your new DSLR The Nikon D5300 Digital Field Guide is filled with everything you need to know to take fantastic photos with your new Nikon. In full color, this portable guide covers all of the essential controls, features, and functions of the Nikon D5300, using step-by-step instructions and providing full-color images of each menu screen. Nikon users will love this comprehensive field guide—it's just the right size to fit into a camera bag, so you'll be able to take it wherever your photography adventures take you. The guide goes beyond camera settings, offering you a refresher course in digital photography principles, and covering the essentials of lighting, composition, and exposure. This perfectly sized field guide features: Compact size, allowing photographers to carry it wherever they go Professional advice on everything from composing a variety of shots to choosing lenses Colorful example images, along with detailed instructions on how to get the most from each of the camera's features Filled with amazing examples, this handy guide offers a variety of tips and tricks. You'll learn how to capture portraits, take character-filled candid shots, frame sports action, document travel, work with macro photography, and much more! Autofocus changed the way photos are taken, making it easier to capture and keep the subject in sharp focus. Since autofocus was first introduced, it has become much more complicated, offering different focus modes, focus types, and focus points. What started out as a way to simplify the photo-making process has turned into a complicated endeavor with numerous choices and settings. A Photographer's Guide to Focus and Autofocus: From Snapshots to Great Shots is here to answer all your questions about the focusing system in today's cameras and their various autofocus modes. Photographer Alan Hess covers the simple basics of focus: manual focus versus autofocus, the best focus modes to use, and how focus works in both DSLRs and mirrorless cameras. Then he discusses more advanced topics, including autofocus sensor types, back-button autofocus, and focus for DSLR video. There is much more to autofocus, and focus in general, than just pushing the shutter release button and hoping the image is sharp and in focus. With this book, you'll learn how to get the right focus in your images, no matter what the occasion. Follow along with your friendly and knowledgeable guide, and you will: Learn the top ten things to know about focus, including how to use the focus controls on the camera, how to pick the autofocus point, and when to use pre-focus in your images Address common autofocus issues such as dealing with low contrast or low light, or shooting through obstacles like glass or a fence Develop troubleshooting techniques for what to do when the autofocus doesn't work properly Work with both manual focus and autofocus and learn tricks to achieve better focus in video And once you've got the shot, show it off! Join the book's Flickr group to share your photos and tips at

flickr.com/groups/focusandautofocusfromsnapshotstogreatshots "Macro and close-up photography isn't all about the equipment. In fact, most DSLR users that love to shoot close-up do not even have a Macro lens. This type of photography does, however, involve a unique set of challenges and skills. The composition and lighting are key elements of shooting something close-up. Done right, a photographer can make the most extraordinary photo out of something common without being too complex. This author shows you how to achieve stunning and creative results without overloading the reader with too much technical info"-- Learn to use every feature of your Canon T3/1100D and get great shots every time Digital Field Guides offer step-by-step information about digital camera controls as well as tips and techniques for getting great photos in various common situations. This handy guide, perfectly sized to fit in a camera bag, explains how to use every button, dial, and setting on your Rebel T3/1100D and also covers using the improved HD video features, and in-camera movie editing options. Illustrated with the author's outstanding photos, the book provides recipes for getting the photo you want in any environment. The EOS Rebel T3/1100D is Canon's newest entry-level dSLR camera, offering a streamlined and simplified experience for new dSLR users This book explains every camera control, showing you how to use all the buttons, dials, and settings Cover the exciting new HD video features and offers suggestions for getting outstanding shots in common shooting situations Small-trim design makes it easy to take this guide along whenever you use your camera Includes a gray card and color checker card used to maintain accurate color and white balance New dSLR camera users will get up to speed quickly with the easy-to-follow guidance in this handy field guide. You've been waiting for an affordable dSLR with the quality and versatility of the Nikon D200. Packed with great techniques and full-color examples, this book helps you take advantage of all the D200's features. From the Quick Tour on how to use your D200 to the intricacies of setting white balance, working with the flash, converting NEF, and shooting superb images in more than twenty common situations, it's all here—and it goes anywhere you and your Nikon can. Get a clear understanding of your camera's challenges and advantages Choose the right shooting, exposure, and focus modes for each type of shot Use extended ISO and noise reduction Explore how various lenses can enhance your work Work with different flash options and available light Visit our Web site at www.wiley.com/compbooks Everything you need to know in order to take amazing photos with your Nikon D5200 As one of Nikon's most advanced cameras offered in the entry-level line of dSLRs, the Nikon D5200 boasts a smarter system for focusing and tracking moving subjects as well as a sharper sensor for capturing finely detailed images. This handy, portable field guide is filled with everything you want and need to know in order to take memorable photos with your Nikon D5200. Packed with full-color photos, this resource walks you through the camera's controls, features, and functions using step-by-step instructions along with color images of each menu screen. Details how to use the features, functions, and menu system of the Nikon D5200 Teaches you how, when, and why you should adjust white balance, autofocus, exposure, lenses Goes beyond camera settings to offer you a refresher guide to the principles of digital photography by covering the essentials of lighting, composition, and exposure Features helpful examples along with a variety of tips and tricks to capturing portraits, candid, sports, travel, macro photography, and more Includes a grey and color checker card to help you capture perfect color in any setting With so much helpful advice for getting the most out of your Nikon D5200, you'll be referencing this guide again and again. *David Busch's Sony Alpha a7C Guide to Digital Photography* is the most comprehensive resource and reference for Sony's ultra-compact 24-megapixel full frame mirrorless camera. The a7C packs large sensor image quality and low light performance into the world's smallest full-frame camera with in-body five-axis image stabilization. The perfect companion for travel photography under the most demanding conditions, it's also fast enough for 10 frames-per-second action photography bursts, and delivers the resolution the most demanding landscape or fine-art photographer require.

With fast, sensor-based 693-point phase detect autofocus (with real-time face and eye tracking), and 4K and full HD video capabilities, the a7C has all the tools needed to take incredible still images and capture compelling movies and video blogs. This book will show you how to master those features as you explore the world of digital photography and hone your creativity with your a7C. Filled with detailed how-to steps and full-color illustrations, *David Busch's Sony Alpha a7C Guide to Digital Photography* covers every feature of this camera in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy camera "roadmap" chapter, an easy-to-use visual guide to the camera's features and controls. Learn when to use every option and, more importantly, when not to use them, by following the author's recommended settings for each menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast exploring full frame photography for the first time, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Sony a7C. The complete beginner's guide to DSLR photography It doesn't matter if your camera says Canon, Nikon, or Sony on the outside. If a passion for photography is on your inside, this all-encompassing guide will be your new best friend. Packed with instruction on how to take your photos from so-so to stunning, *Digital SLR Photography All-in-One For Dummies* gives you all the easy-to-follow guidance you need to capture stills, portraits, action shots, and moments in time you'll be proud to share. Clocking in at over 600 pages, this no-nonsense guide covers it all! From controlling light, color, focus, and exposure to editing images to improve the final product—and everything in between—it's the only guide to DSLR photography you need. If you've caught the photography bug but aren't sure where to turn to improve your skills, you can bank on building an impressive portfolio with the simple tips and tricks provided inside! Set the right exposure in any situation Know when to use flash and when to turn it off Edit your images into masterpieces Take better photos of people and places Get ready to develop your photographer's eye and start snapping shots like the pros. Focus on capturing the best images ever with tips from choosing the right gear to composition to processing—plus tutorials and updated software advice. This comprehensive, all-in-one guide demystifies today's DSLRs and ILCs, walking you through their basic functions and setting you up for photo-making success, as well as offering creative projects for more advanced photographers. From setting a proper exposure to Photoshopping images together into clever composites, *The Complete Photo Manual Revised Edition* has you covered! With chapters on: Camera Basics: Take a crash course in exposure, focus, aperture, shutter speed, white balance, and more so you can master the fundamentals. Composition & Shooting: Get out there and start shooting! This chapter helps you pick subjects, compose on the fly, work your camera settings as you go, correct for problematic situations, use a tripod, choose the right lens for your scene, and explore different storytelling idioms. Setup & Gear: Graduate to a more robust photography kit with discussions of lights, light modifiers, and more. Here, you'll learn how to shoot more ambitious portraits, still lifes, and action shots. Photo Editing & Beyond: Make your photos even

better with tried-and-tested tutorials in Photoshop and Lightroom, plus quick tips and image organization hacks. "An excellent guide for both novice and experienced underwater photographers." Amateur Photographer magazine, UK Diving is a popular hobby that attracts more enthusiasts every year, and many divers are keen to record the wonders they see underwater. In this beautifully illustrated, practical guide, underwater photography gurus Larry and Denise Tackett draw on their years of experience and learning to share everything the snorkeller and diver needs to know to capture the beautiful diversity of life beneath the sea. Underwater includes essential advice on choosing the right equipment, and in straightforward language discusses lighting, creative composition, making the most of a subject and macrophotography, showing how the basic principles of photography change when shooting underwater. Underwater includes practical exercises, reassuring advice, illuminating anecdote, and, of course, awe-inspiring photographs. Welcomed and acclaimed by both the photography and diving press, this book is perfect for those new to underwater photography, it also offers both inspiration and up-to-date new techniques for the more advanced. A picture-perfect beginner guide to the new Nikon D5100 Eager to take a shot at using the exciting new Nikon D5100? Then this is the introductory book for you! Aimed at first-time DSLR shooters who need a friendly guide on how to use their camera, this straightforward book is packed with full-color images that help demonstrate how to use features of the Nikon D5100. Coverage explores the on-board effects, low-light settings, and automatic HDR shooting. Clear explanations detail the ways in which you can use the new features of the Nikon D5100 to add unique shots to your portfolio while an explanation of photography terms gets you confident and savvy with this fun DSLR camera. Covers basic camera controls and functions, shooting in auto mode, setting photo quality, and navigating menus and the view screen Introduces the basics of photography, including the settings that control lighting, exposure, focus, and color Addresses the new low-light and HDR settings Encourages you to use the new onboard effects features and shares tips for improving images with editing software Get a grasp on the fun Nikon D5100 with this fun and friendly guide! Advances in forensic odontology have led to improvements in dental identification for individual cases as well as in disaster victim identification (DVI). New and updated technologies mean advances in bitemark analysis and age estimation. Growth in the field has strengthened missing persons' networks leading to more and faster identifications of unidentified individuals. A product of the American Society of Forensic Odontology, the Manual of Forensic Odontology, Fifth Edition provides comprehensive and up-to-date information involving all facets of forensic dentistry and explores critical issues relating to the scientific principles supporting the field's evaluations and conclusions. New information in the Fifth Edition includes Scientific principles and the need for more and better research in the field Oral and maxillofacial radiographic features of forensic interest Forensic pathology and its ties to forensic odontology New techniques and improved technologies for age estimation Advances in bitemark evidence management Animal bitemarks National and international forensic dental organizations Tips for becoming involved in forensic odontology The manual has been an important source of forensic dentistry information for more than 20 years. This new edition is edited by a past president of the American Board of Forensic Odontology and a past Chair of the Odontology Section of the American Academy of Forensic Sciences. Expanded and enhanced with extensive color illustrations, this volume is designed to provide essential information based on sound scientific principles for experienced forensic odontologists and for those new to the discipline. A superb hand-on manual containing a wealth of underwater tips, hints and advice - all beautifully illustrated with brand new, full colour images. Martin Edge, a leading authority on underwater photography, will help you capture stunning effects using his popular 'think and consider' system - offering a heightened awareness and understanding of the subject matter, lighting and environment to take the perfect picture. Practical examples take you step-by-step through the basic techniques from photographing shipwrecks, divers, marine life and abstract images to taking photographs at night and 'dual lighting'. In 1999 the late Jim Church, guru of underwater photography, said: 'As a member of the new generation of underwater photography writers, [Martin has] set a standard that will only be surpassed when [he writes] a third edition.' Here it is, we hope you enjoy it. Offers advice on cameras, lenses, film, electronic flash, composition, and location shooting Photographer and writer Shawn M. Tomlinson, author of the Photo Curmudgeon column and books, explains in detail the joys of working with a professional, albeit older, DSLR, the Nikon D1. "In fact, you can put your hands on a professional DSLR body and a lens for around \$200 if you really want to know what all the fuss is about," Tomlinson writes. "No, I'm not talking about a Nikon D4S that, ah, 'fell off a truck.' I'm talking about the very first, ground-up DSLR for the professional market. The Nikon D1." The author covers buying and working with the Nikon D1, illustrating points with many D1 photos. In the second part, Tomlinson explains the usefulness of prime lenses. He considers the uses, advantages and disadvantages, and provides a conversational approach to making the move to primes. "In this short guide, I give you some pointers about what prime lenses do, what type you may need for your particular photographic vision and how to choose what you need," Tomlinson writes. No-fail formulas for getting great digital photos with the Canon EOS 7D If you want to polish your photography skills, keep your camera bag stocked with the best equipment, like Canon's new EOS 7D camera and this practical, full-color Canon EOS 7D Digital Field Guide. Portable and packed with information, this handy guide helps you get the very most out of the EOS 7D's powerful new features. Discover professional shooting tricks, helpful composition advice, and invaluable tips on exposure, perspective, and more. The book also includes a grey and color checker card, so you can tweak your captured photos for optimal colorization. From menu screens to composition, this book provides no-fail techniques for getting the most out of your Canon EOS 7D digital camera Covers the camera's new features, including the 19-point autofocus, new metering system, integrated Speedlight Transmitter, 8-frames-per-second shooting ratio, and improved HD video capturing Helps you take your photography skills to another level with photography tips and tricks from professional photographer and author Charlotte Lowrie Teaches you photography essentials such as composition, exposure, perspective, and more Includes a grey and color card checker and full instructions with the book Take memorable photographs with your new Canon EOS 7D and the Canon EOS 7D Digital Field Guide! As your complete guide to creating video projects with students in elementary and middle school settings, this book features step-by-step plans for 25 creative curriculum-based video projects. The plans include notes to the teacher and fully reproducible student handouts. Activities such as Storytelling in the Classroom (language arts) and Making It Metric (mathematics) span the curriculum and expand students' knowledge in a variety of subjects while building their video production skills. The book is a natural companion to Television Production for Elementary and Middle Schools. Grades 1-9. Discover the great advantages and benefits of working in the medium film format or with the large digital sensor units in Hasselblad digital cameras and digital backs. Presented in an easily accessible format, this book shows the working and manipulation of the various cameras. Detailed illustrations dissect the equipment and provide insight into the ways in which these superb cameras and lenses are best utilized to create professional quality images. This edition of the Manual will bring you up to date with the latest features available within the popular Hasselblad camera systems

emphasizing that camera and lens are the most important tools for creating exciting images whether you work digitally or with film. The complete Hasselblad camera system is discussed by renowned author and Hasselblad insider, Ernst Wildi, who provides a solid foundation of both traditional photography and digital capture techniques. Inside you'll also find inspiring photographs from well-known photographers, illustrating a variety of photographic techniques using a Hasselblad camera. New and updated techniques for working with exposure Exposure involves a variety of skills, but once mastered, can turn a hobbyist into a bona fide photographer. This hands-on resource dissects the components of exposure—ISO, aperture, shutter speed—and shows how they work together to capture the photographer's vision. You'll learn how to leave the safety of automatic settings and understand how controlling the settings can result in beautiful photos. Stunning photos of people, wildlife, and landscapes serve to inspire you to practice your new skills in exposure and create memorable and frame-worthy photos. Unveils the many intricate levels of exposure and clearly explains how to master each one so that you can capture amazing photos Encourages you to apply each of the techniques you learn with patience and experimentation when photographing people, wildlife, landscapes, or any other subject matter Details the essentials for taking frame-worthy photos in a variety of challenges, such as action, night scenes, low light, bad weather, and more Features updated, stunning, and inspiring full-color photos throughout Expose yourself to the fantastic and unparalleled advice contained within the pages of Exposure Photo Workshop, Second Edition! Say cheese! Explore this beginner-friendly guide to digital photography with the Nikon Z fc camera With a design that looks like an old-school film camera, the Nikon Z fc makes photographers want to grab this very-modern model off the shelf and start taking photos. But if you really want to set your pictures apart from the average snapshot, you need Nikon Z fc For Dummies. This book takes you on a comprehensive and user-friendly tour of the Nikon Z fc camera, its settings, and all of its automatic and manual options. You'll learn how to control exposure, take advantage of advanced focusing options, fix color problems, and get the best image quality. You'll also get: Accessible instruction on tried and tested photography techniques Instruction on how to adjust color and exposure settings Strategies for when to use your camera's auto options to when to take full control of settings Ideal for anyone who wants to get the most out of their Nikon Z fc camera, Nikon Z fc For Dummies covers the photography basics you need to understand to take fantastic pictures along with how to apply those techniques to the Nikon Z fc. There are two types of new photographers: those satisfied with their low-cost point-and-shoot cameras, and those more enthusiastic photographers who recognize the limitations of low-cost equipment and want to improve their pictures. No longer satisfied with simple snapshots, the enthusiast moves up to a more complex digital camera—one with interchangeable lenses and manual controls—to satisfy their artistic urge. Assuming little to no knowledge of photographic terms, techniques, or technology, Beyond Point-And-Shoot is intended to help smooth the transition from photographic newbie to "real" photographer who is experienced, in-control, and passionate about their craft. Author Darrell Young explores various types of interchangeable-lens cameras, focusing on those with larger imaging sensors, such as digital single-lens reflex (DSLR) cameras. Learn how to get the most out of your camera's automatic and semi-automatic exposure modes, as well as how to move beyond those modes and take full, manual control of your camera. Watch your photography improve as you discover how to apply important photographic principles, such as depth of field, white balance, and metering. With this newfound knowledge you'll move beyond point-and-shoot and begin taking truly great photographs. Other topics include: Camera types Lenses Aperture, shutter speed, and ISO Metering and shooting controls Lens focal lengths and angles of view The histogram Color spaces Sensors Filters Image file formats Managing digital noise And much more! The Complete Guide to Macro and Close-Up Photography is a comprehensive handbook on macro and close-up photography, offering both ambitious beginners and veteran photographers all the information they need to create great macro photographs. Experienced photographer and author Cyrill Harnischmacher covers: Explanations of all the concepts behind close-up and macro photography Equipment, including camera systems, macro lenses, close-up lenses, extension tubes, and reversing rings Shooting techniques such as high-speed photography using photoelectric sensors, light painting, focus stacking to extend depth of field, panoramic and infrared macros, extended contrast with HDR technology, and multiple exposures Tackling subject matter both in the field and in the studio Working creatively with ambient and artificial light Countless hands-on shooting tips Post-processing your macro images The book also offers insights about macro photo composition, discussing light, color, camera position, and focus. With more than 600 images and figures illustrating the various ways readers can document the world of the infinitesimal, this book is not only a technical guide, but also a source of inspiration giving readers ideas to run with and make their own. Finally, the book also includes do-it-yourself projects, offering solutions both for everyday shooting as well as for dealing with specific situations unique to macro photography. Lenses are a considerable investment for any photographer and require understanding their features and a making plan for purchase. You might buy several camera bodies, but quality lenses should last a lifetime! You need a book that goes beyond the camera manuals to teach you how to select and use Canon lenses to take great shots. This guide by pro photographer Jerod Foster will help you conquer the fundamentals and capture stunning pictures. Foster starts with the basics of using different lenses in the Canon lineup—from kit, to wide angle, to telephoto, to zoom, and more, to understand what they do and how their features affect your images. He discusses factors such as depth of field, perspective, and compression and which types of lenses are right for your style of shooting. Whether it's portraits, landscapes, or street photography, you will have a better understanding of your equipment and understand your choices for investing in lenses. Beautifully illustrated with large, compelling photos, this book teaches you how to take control of your photography to get the image you want every time you pick up the camera. Digital Photography was first introduced to the general public around 1989, depending in what part of the world you were during that time. Since then, people have been getting rid of their film cameras and turning them in for new DSLR s (Digital Single Lens Reflex) which has given photographer many new options to choose from that they didn't have with film cameras. Since DSLR s affords so many options, unless you know a lot about digital photography, you might think that if you went out and purchased a \$2000.00 camera you'd be able to take photographs just like a National Geographic photographer. But just buying an expensive camera won't make you take better photographs than you did with your film camera. When I teach my Basic Digital Photography I tell the class that you need to first and foremost, you need to learn the language of photography which is not as easy as one may think. Learning how to make photographs rather than take photographs requires one to understand the many options that digital photography has to offer. Most people get frustrated in learning how to use their camera and just wind up setting the automatic setting on the camera which defeats the whole purpose of buying a digital camera in the first place. Because a digital camera gives more options to the photographer, what this booklet does is cut the many options down to three basic camera controls. Once you've learned the three controls you can move on in learning more advanced options of the camera." The fundamentals of underwater photography are explained in this book. It includes

information on equipment, film, lighting, composition, and selling pictures. Selected by the American Library Association's 'Choice' magazine as "best technical book", the first edition of this book soon established itself as the standard reference work on all aspects of photographic lenses and associated optical systems. This is unsurprising, as Sidney Ray provides a complete, comprehensive reference source for anyone wanting information on photographic lenses, from the student to the practitioner or specialist working with visual and digital media worldwide. This third edition has been fully revised and expanded to include the rapid progress in the last decade in optical technology and advances in relevant electronic and digital forms of imaging. Every chapter has been revised and expanded using new figures and photographs as appropriate, as well as extended bibliographies. New chapters include details of filters, measurements from images and the optical systems of digital cameras. Details of electronic and digital imaging have been integrated throughout. More information is given on topics such as aspherics, diffractive optics, ED glasses, image stabilization, optical technology, video projection and new types of lenses. A selection of the contents includes chapters on: optical theory, aberrations, auto focus, lens testing, depth of field, development of photographic lenses, general properties of lenses, wide-angle lenses, telephoto lenses, video lenses, viewfinder systems, camera movements, projection systems and 3-D systems.

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