

Auto Focus Vs Manual Lens

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The Fourth Industrial Revolution John Wiley & Sons

Just as Jack Kerouac captured the beat of the '50s, his daughter captured the rhythm of the generation that followed. With a graceful, often disturbing detachment and a spellbinding gift for descriptive imagery, Jan Kerouac explores the tortured, freewheeling soul of a woman on her own road. From an adolescence of LSD, detention homes, probation, pregnancy, and a stillbirth in the Mexican tropics at age 15; to the peace movement in Haight-Ashbury and Washington state; to traveling by bus through Central America with a madman for a lover, Baby Driver moves with the force of a tropical storm.

Understanding Exposure, Fourth Edition "O'Reilly Media, Inc."

You own a Nikon DSLR, but which Nikon (Nikkor) lens is best for your shooting style and your budget? This guide by pro photographer Jerod Foster will help you learn the features of Nikon lenses to capture the stunning pictures you want for a price that matches your needs. Foster starts with the basics of using lenses in the Nikon lineup—from kit, to prime, to wide angle, to telephoto, to zoom, and more. Whether it's portraits, landscapes, sports, travel, or night photography, you will have a better understanding of the different Nikon lenses and your choices for investing in them. In this guide you will: Master the key camera features that relate to lenses—depth of field, perspective, and vibration reduction Learn the difference between full frame versus cropped sensors and how they affect specific lenses Understand best practices for maintaining your lenses and for taking better pictures Accessorize your Nikon lenses with lens rigs, extenders, and other add-on equipment Minimize lens flaws such as distortion and chromatic aberration in post processing with Lightroom Grasp all the concepts and techniques as you go, with assignments at the end of every chapter Beautifully illustrated with large, compelling photos, this book for beginning-to-intermediate digital photographers will help you get the image you want every time you pick up your camera. And once you have the shot, show it off and join the book's flickr group:

www.flickr.com/groups/nikonlenses_fromsnapshottogreatshots.

Macro Photography John Wiley & Sons

In order to gain valuable market share in the growing consumer digital still camera and camera phone market, camera manufacturers have to continually add and improve existing features to their latest product offerings. Auto-focus (AF) is one such feature, whose aim is to enable consumers to quickly take sharply focused pictures with little or no manual intervention in adjusting the camera's focus lens. While AF has been a standard feature in digital still and cell-phone cameras, consumers often complain about their cameras' slow AF performance, which may lead to missed photographic opportunities, rendering valuable moments and events with undesired out-of-focus pictures. This dissertation addresses this critical issue to advance the state-of-the-art in the digital band-pass filter, passive AF method. This method is widely used to realize AF in the camera industry, where a focus actuator is adjusted via a search algorithm to locate the in-focus position by maximizing a sharpness measure extracted from a particular frequency band of the incoming image of the scene. There are no known systematic methods for automatically deriving the parameters such as the digital pass-bands or the search step-size increments used in existing passive AF schemes. Conventional methods require time consuming experimentation and tuning in order to arrive at a set of parameters which balance AF performance in terms of speed and accuracy ultimately causing a delay in product time-to-market. This dissertation presents a new framework for determining an optimal set of passive AF parameters, named Filter- Switching AF, providing an automatic approach to achieve superior AF performance, both in good and low lighting conditions based on the following performance measures (metrics): speed (total number of iterations), accuracy (offset from truth), power consumption (total distance moved), and user experience (in-focus position overrun). Performance results using three different prototype cameras are presented to further illustrate the real-world AF performance gains achieved by the developed approach. The major contribution of this dissertation is that the developed auto focusing approach can be successfully used by camera manufacturers in the development of the AF feature in future generations of digital still cameras and camera phones.

Digital Photography Composition For Dummies John Wiley & Sons

Capturing the grandeur of landscapes or mood of a certain natural light is challenging but often the simple details of a

texture or color evade photographers most of all. In Close Up Photography in Nature, best-selling authors and nature photography pros, John and Barbara Gerlach, share the tips and techniques necessary to successfully photograph the beauty all around you. The Gerlachs are celebrated teachers who understand a photographer's mind so they begin this book with a brief overview of the fundamentals before delving into some of the more advanced and unique challenges of close up photography. Topics covered include: advanced flash techniques specific for close up shooting, as well as a discussion on focus stacking strategies and tilt-shift lenses for getting maximum depth-of-field. The Gerlachs also discuss their strategy of mixing flash with natural light when shooting close up, which opens up all sorts of photographic possibilities - opening up shadows, creating shadows, separating the subject from the background, reducing contrast between the subject and the background, improving the color rendition, shooting sharper images, and much more. This book will change the way you see the world as well as the way you share it through your work! the world through your work!

Langford's Basic Photography National Geographic Books

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/focusandautofocusfromsnapshottogreatshots

Nikon D600 For Dummies John Wiley & Sons

This valuable resource focuses on what professional wedding photographers need to do to stay competitive and continue winning new assignments, despite an array of challenges. Though wedding budgets are often subject to cuts, photographers will learn how to finesse their operations, improve their marketing, and convert client contacts into reliable job streams. By running a lean business with few excess costs, this step-by-step guide lays out how wedding photographers can draw attention to their studio, generate demand, and create a brand that complements and promotes their unique vision. Included are tips for improving search-engine optimization, marketing, pricing, packaging, and contracts to enable aspiring and experienced professionals alike to follow their passions to success.

Panasonic Lumix DMC-FZ200 User's Manual John Wiley & Sons

This newly revised edition of Bryan Peterson's most popular book demystifies the complex concepts of exposure in photography, allowing readers to capture the images they want. Understanding Exposure has taught generations of photographers how to shoot the images they want by demystifying the complex concepts of exposure in photography. In this newly updated edition, veteran photographer Bryan Peterson explains the fundamentals of light, aperture, and shutter speed and how they interact with and influence one another. With an emphasis on finding the right exposure even in tricky situations, Understanding Exposure shows you how to get (or lose) sharpness and contrast in images, freeze action, and take the best meter readings, while also exploring filters, flash, and light. With all new images, as well as an expanded section on flash, tips for using colored gels, and advice on shooting star trails, this revised edition will clarify exposure for photographers of all levels.

Radical Compassion Peachpit Press

Langford's Basic Photography is a seminal photography text. First published in 1965, it has informed the work and career of many of the world's leading photographers. The new, 9th edition, continues the tradition of its predecessors, reflecting the same comprehensive mix of scholarly and practical information. It covers every aspect of photography, from capture through to output, both digital and analogue. There is an emphasis on explaining the 'how to' of photography, but Langford's Basic also includes in-depth coverage of the fundamental principles that govern the art, such as how light behaves, optics, and the shutter. This ensures that the reader comes away with not only a good grasp of photographic technique, but also an in-depth understanding of the fundamentals that will help them to better understand how great photography is made. As such, it functions both as an excellent coursebook for students of photography, and a great primer and reference for amateur enthusiasts. The new edition has been fully updated to reflect dynamic changes in the industry. These changes include: an expansion and overhaul of the information on digital cameras and digital printing; an emphasis on updating photographs to include a wider range of international work; replacement of many diagrams with photos; overhaul of the analogue sections to give a more modern tone (ie exposure measurement and film and filters with some more dynamic photo illustrations); a fully edited and updated photography timeline. This landmark text is an essential purchase, both for new photographers as an introduction, and for established photographers as an invaluable reference work.

Digitalvideo for Beginners Penguin

One of the most beloved and trusted mindfulness teachers in America offers a lifeline for difficult times: the RAIN meditation, which awakens our courage and heart Tara Brach is an in-the-trenches teacher whose work counters today's ever-increasing onslaught of news, conflict, demands, and anxieties--stresses that leave us rushing around on auto-pilot and cut off from the presence and creativity that give our lives meaning. In this heartfelt and deeply practical book, she offers an antidote: an easy-to-learn four-step meditation that quickly loosens the grip of difficult emotions and limiting beliefs. Each step in the meditation practice (Recognize, Allow, Investigate, Nurture) is brought to life by memorable stories shared by Tara and her students as they deal with feelings of overwhelm, loss, and self-aversion, with painful relationships, and past trauma--and as they discover step-by-step the sources of love, forgiveness, compassion, and deep wisdom alive within all of us. A PENGUIN LIFE TITLE Camera Technology New Riders

Your guide to capturing that perfect shot The Nikon D7500 has created a buzz in the photography community, gaining recognition for its appealing combination of high-end features and compact size. If you're upgrading your existing dSLR or even purchasing your very first camera, Nikon D7500 For Dummies will help you feel like a pro in no time. This book highlights the importance of understanding all of the basic features of your new camera, before diving into insights about how to take top-notch photos. You'll learn about when and how to use flash, understand exposure, and control focus and depth of field. There is also information on taking expert action, close-up, and landscape shots, and how to access and download those photo files. Photography is a great way to capture lifelong memories, and this book makes it easy to get started. Learn photography terminology Shoot, view, and trim movies Master color controls Discover ways to customize your camera Don't just settle for auto mode; take advantage of all the D7500's amazing features with the help of Nikon D7500 For Dummies!

Nikon D5300 Digital Field Guide John Wiley & Sons

Get picture-perfect shots with your Canon EOS Rebel T6i/750D Your Canon EOS Rebel T6i/750D is capable of taking incredibly cool and truly frame-worthy photos, but unless you know how use it properly your pictures won't be worth a thousand words. Luckily, Canon EOS Rebel T6i/750D For Dummies is packed with the tips, tricks, and instruction you'd gain in a photography course to take the intimidation out of working with your new camera—so you can start taking stunning photos right away. Assuming no prior experience in photography, this book gets you up to speed on core photography concepts, then shows you how to grasp using the features specific to the Canon EOS Rebel T6i/750D, like working in automatic mode, controlling exposure, selecting the best lens for the job, using shutter and aperture priority modes, knowing how and when to use flash, and so much more. Whether you're looking to capture lovely landscapes, perfect portraits, awesome action shots—or anything in between—the friendly guidance you'll find inside offers everything you

need to get the shot...every time. Get started in automatic mode before working up to advanced features Take control of your camera's exposure, lighting, color, and focus settings Shoot better portraits and action shots Get great shots every time—even in low light and when composing close-ups Complemented by online supplements that cover the unique features of the companion T6i/750D at dummies.com, this hands-on guide will take your pictures from bland to beautiful in a flash!

CLANDESTINE PHOTOGRAPHY CreateSpace

In Peter Read Miller on Sports Photography, the 30-year Sports Illustrated veteran photographer takes you into the action of many of his most iconic shots, relating the stories behind the photos of some of the world's greatest athletic events, including the Olympics and the Super Bowl. Discussing the circumstances surrounding particular shots, Peter shares observations of the athletes themselves, and provides tips and techniques for sports photographers of all levels looking to capture great photos of football, track and field, gymnastics, and swimming, as well as dynamic portraits of athletes. Unlike photo collections by other greats of sports photography, this book seamlessly interweaves the images and the fascinating stories behind them with photographic instruction, while giving you an inside look at what it's like to work at the nation's leading sports publication. Beautifully illustrated with images from the Olympics, football, and portrait sessions with professional athletes, this book offers a rich and inspiring experience for sports photographers, sports fans, and Sports Illustrated readers.

Nikon D5300 For Dummies Penguin

If you're a beginner photographer, this book can save you hundreds of dollars. If you're a seasoned pro, it can save you thousands. With access to over 16 HOURS of online video, this book helps you choose the best equipment for your budget and style of photography. In this book, award-winning author and photographer Tony Northrup explains what all your camera, flash, lens, and tripod features do, as well as which are worth paying for and which you can simply skip. Tony provides information specific to your style of photography, whether you're a casual photographer or you're serious about portraits, landscapes, sports, wildlife, weddings, or even macro. For the casual reader, Tony provides quick recommendations to allow you to get the best gear for your budget, without spending days researching. If you love camera gear, you'll be able to dive into 200 pages of detailed information covering Nikon, Canon, Sony, Micro Four-Thirds, Olympus, Samsung, Leica, Mamiya, Hasselblad, Fuji, Pentax, Tamron, Sigma, Yongnuo, PocketWizard, Phottix, Pixel King, and many other manufacturers. Camera technology changes fast, and this book keeps up. Tony updates this book several times per year, and buying the book gives you a lifetime subscription to the updated content. You'll always have an up-to-date reference on camera gear right at your fingertips. Here are just some of the topics covered in the book: What should my first camera be? Which lens should I buy? Should I buy Canon, Nikon, or Sony? Is a mirrorless camera or a DSLR better for me? Do I need a full frame camera? Is it safe to buy generic lenses and flashes? What's the best landscape photography gear? Which portrait lens and flash should I buy? What gear do I need to photograph a wedding? How can I get great wildlife shots on a budget? Which sports photography equipment should I purchase? Should I buy zooms or primes? Is image stabilization worth the extra cost? Which type of tripod should I buy? Which wireless flash system is the best for my budget? How can I save money by buying used? What kind of computer should I get for photo editing? What studio lighting equipment should I buy? When you buy this book, you'll be able to immediately read the book online. You'll also be able to download it in PDF, .mobi, and .epub formats—every popular format for your computer, tablet, smartphone, or eReader!

Baby Driver CRC Press

Teaches the steps involved in creating portraits by discussing tips on poses, lighting, makeup, framing, and equipment purchasing and maintenance.

Close Up Photography in Nature Amphoto Books

For anyone who has ever wondered how cameras work, this book is a pleasant way to learn. It is generously endowed with enough fundamentals to satisfy the technical specialist, without intimidating the casual but curious amateur photographer. The author has repaired, modified, and designed and analyzed cameras for the past forty five years. With this background, he goes beyond describing camera functions based on advertised data, instead the book explains how various cameras really work. The book peels off the cover panels and lets you look into the dark side of the lens. The dozen or so formulas use simple math and the drawings alone are worth the price of admission. Describes how cameras work and how well they overcome the difficulties in making a technically perfect photo Covers causes of image faults Presents unique methods for testing cameras Covers integration of optics, electronics, and mechanics in contemporary cameras

Peter Read Miller on Sports Photography Rocky Nook, Inc.

Digital video cameras have become more affordable and reliable than ever, and with the help of former television producer, editor, and cameraman Colin Barret, new owners of this hot technology can produce a memorable video right at home. Barret offers the fruits of his expertise in a thorough, practical introduction that covers it all. In addition to advice on choosing a camcorder and tips on getting the most out of its features, illustrated tutorials explain how to shoot creatively and master techniques such as point-of-view, close-ups,

cutaway shots, and effective lighting. Spice up the sound by incorporating audio tracks, and find out how to create special effects. There's even a detailed description of how to set up a fully functional home editing suite.

A Photographer's Guide to Focus and Autofocus Peachpit Press

Through easy-to-follow lessons, this handy book offers a complete class on digital photography, tailored specifically for people who use the Nikon D90. This is not your typical camera guide: rather than just show you what all the buttons do, it teaches you how to use the D90's features to make great photographs—including professional-looking images of people, landscapes, action shots, close-ups, night shots, HD video, and more. With Ben Long's creative tips and technical advice, you have the perfect, camera-bag-friendly reference that will help you capture stunning pictures anywhere, anytime. The Nikon D90 Companion will show you how to: Take creative control and go beyond automatic settings Learn the basic rules of composition Capture decisive moments, including fast-moving objects Discover ways to use a flash indoors and outdoors Learn about different lenses, and the best time to use them Understand the options for shooting RAW, and whether it's right for you Use the D90's ability to shoot high definition video

Nikon D3300 For Dummies Yosemite Conservancy

A comprehensive guide to the Canon EOS Rebel T5i/700D camera written by bestselling For Dummies author Julie Adair King Expert author and photography instructor Julie Adair King is exactly who you want to explain Canon's hot new Rebel T5i/700D camera for you. Her friendly, step-by-step style - honed to a fine point from helping over 300,000 readers use their cameras - will have you snapping great shots on the new Rebel in no time. Find all the info you need, backed by clear images of camera controls and menus, so you know exactly what she's explaining, when she's explaining it. More than 300 fabulous full-color photos help you see what you and your DSLR Rebel T5i/700D can achieve. Canon's EOS Rebel T5i/700D is an entry-level DSLR camera from Canon and features an 18 megapixel sensor, full 1080 video capability, 5fps shooting, and a 3-inch viewscreen Covers how to shoot in Auto mode, manage playback, organize your images, and get better results from exposure, lighting, focus and color Gives you professional editing tricks and offers plenty of beautiful full-color images so you can see what you can achieve Popular bestselling author Julie Adair King author has written more than 15 For Dummies books on Nikon and Canon cameras, and she helps you really get a feel for the camera Canon EOS Rebel T5i/700D For Dummies...there's so much here to get you on your way to taking great photos!

Canon EOS Rebel T7/2000D For Dummies Rocky Nook, Inc.

This eighth edition of a work first published almost 100 years ago, provides a major revision of this technical reference source for photographers. New chapters include autofocus systems, metering systems in cameras, still video cameras and archival aspects.

The Handbook of Bird Photography Charles C Thomas Publisher

See the world differently through your new Nikon D5300 Your new Nikon D5300 digital SLR camera represents something about you. It shows that you want something more than a point-and-shoot camera has to offer. You want to take better photos. You want more control. You don't want to rely on editing to make beautiful photographs. Well, there's good news—you now have the right tool to make that happen! Now you need to learn how to use it. The Nikon D5300 has more features and expanded capabilities, and offers you more options for shooting in different situations. Taking advantage of the full complement of controls and settings gives you the power to capture images in new and imaginative ways. Nikon D5300 For Dummies is your ultimate guide to using your new DSLR to its utmost capability. Author Julie Adair King brings her vast experience both as a veteran photographer and a photography teacher to you in this full-color, easy to follow Nikon D5300 guide. Nikon D5300 For Dummies contains more information that you would typically get in a basic photography course, plus information specific to the camera. Over 200 full-color images help illustrate concepts and apply them to the Nikon D5300, making this the ultimate reference for the beginning or veteran photographer. Master controls, basic photography principles, and shooting in auto Get creative with advanced settings and video functions Take charge with manual controls, and understand camera functionality Find tips on editing and sharing photos You have an excellent camera. Don't be content with shooting in auto mode forever! Master your DSLR and learn your way around the settings for the most gorgeous photographs you've ever taken. Nikon D5300 For Dummies is your guide to making it all happen.