

Camera Flash Guide Number

In this updated, second edition of the authoritative, bestselling *Mastering Canon EOS Flash Photography*, photographer NK Guy brings the book fully up to date, with coverage of all the newest Canon gear that has hit the market since the first edition published in 2010. This includes coverage of the radio-enabled Canon Speedlite 600EX-RT and Canon Speedlite Transmitter ST-E3-RT, as well as the other Speedlites that have released since the first edition's publication: Canon Speedlite 90EX, 270EX II, 320EX, and 600EX. And this is the first book to cover Canon's new, affordable master unit—the Speedlite 430EX III-RT flash! Digital cameras and flash technology have truly revolutionized photography in the 21st century. Originally seen simply as a practical way to illuminate dark scenes with portable light, flash today is used for a host of creative and nuanced applications, including supplementing daylight, designing complex scenes lit by multiple light sources, and simply creating beautiful, controllable light for portraiture. With LCD screens on DSLRs, the ability to get instant feedback on lighting setups is a great help in advancing one's lighting capabilities and encouraging experimentation. However, flash photography can still be a difficult artistic and technical challenge. It's simple to get that harsh deer-in-the-headlights look from built-in automatic flash, but it is a far cry from beautiful light. Creating natural-looking images is not nearly as straightforward. Mastering the properties of light and the ability to manipulate, craft, and direct it is a lifelong endeavor. Those diving into Speedlights need some help. Manuals are terse and the terminology is confusing—this is where *Mastering Canon EOS Flash Photography* comes in. This is the complete book on the subject, guiding you through Canon's Speedlite system, from off-camera portable flash to professional studio lighting. It covers the fundamentals of flash metering technology, discusses key lighting concepts, and documents a wide range of Canon and third-party equipment. Universal flash accessories, studio gear, and radio triggers are all thoroughly covered. The book is lavishly illustrated with diagrams that demonstrate important functions and lighting arrangements, and inspiring photos that show sophisticated flash techniques. Though tailored for users of Canon EOS cameras, owners of other camera systems will find much valuable information as well. So, whether you're just getting started with flash, or you've picked up the bug for off-camera lighting from such popular websites as Strobist.com, or you're making the leap into advanced studio work, *Mastering Canon EOS Flash Photography* is your in-depth resource. Includes a foreword by David Hobby, noted photojournalist and founder of Strobist.com. Good lighting is fundamental to creating great images. This new book provides a roadmap for producing creative images with a flashgun. It introduces lighting principles and then advises on more complex lighting sets and situations. Techniques to create professional effects such as film noir and Hollywood lighting, high-speed synching and handling reflective surfaces are covered. Practical instruction and advice throughout apply the principles, and explain how photographs are taken and stunning results achieved. Includes a guide to the main characteristics of light - intensity, direction, quality and colour - with advice on modern flashguns and their features, and has practical examples, from portraiture to product photography. Illustrated with 276 colour photographs.

Providing readers with a study of learning how to turn poorly lit images into finely crafted, masterfully lit photographs, this guidebook instills photographers with the self-confidence to think on their feet and photograph any portrait subject anywhere. Acclaimed photographer Neil van Niekirk presents seven distinctly different lighting scenarios—available light, exposure metering, a touch of flash, bounced on-camera flash, off-camera flash, video light, and hard sunlight—to show readers how to manipulate the direction and quality of light, the subject's and photographer's position, and numerous other variables so as to turn a bad image into a stunning, professional-level portrait. Packed with dozens of instructional, full-color photos, this work also features 10 sample photo sessions, allowing readers the opportunity to see the seven lighting scenarios put to practice.

David Busch's Canon EOS R5/R6 Guide to Digital Photography is your all-in-one comprehensive resource and reference for the exciting new Canon EOS R5 and R6 full-frame mirrorless cameras. Enthusiasts can choose between the super-high resolution of the R5's 45-megapixel sensor, or the superior low-light performance and action-friendly high-capacity buffer of the 20-megapixel R6. Both cameras boast continuous shooting up to 20 frames per second, in-body image stabilization, and 1,053 Dual-Pixel II phase-detection AF points for lightning-fast, precise autofocus. Their high-resolution OLED electronic viewfinders provide a bright, clear view. Three available adapters make it easy to supplement your R-mount lenses with a broad selection of legacy Canon EF and EF-S optics. The EOS R5 and R6 have wireless connectivity to allow linking to a computer and iOS or Android smart device, high-definition 4K and Full HD movie-making capabilities, and a versatile swiveling touch-screen LCD. With this book in hand, you can quickly apply all these advanced features to your digital photography, while boosting your creativity to take great photographs with your Canon EOS R5 or R6.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Canon EOS R5/R6 Guide to Digital Photography* covers all this upscale camera's features 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 "roadmap" chapter, an easy-to-use visual guide to the cameras' features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every 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, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Canon EOS R5/R6 today.

Maximizing the power of your camera's flash is difficult enough in a studio set-up, but outdoors literally presents a whole new world of challenges. John Gerlach and Barbara Eddy have taken the most asked about subject from their renowned photography workshops and turned it into this guidebook that is sure to inspire your next outdoor shoot, while also saving you time and frustration. *Outdoor Flash Photography* covers a range of practices from portrait to landscape, including unique strategies that the authors have pioneered through 40 years in the field. Mastering the use of multiple flashes to freeze action is shown through one of most challenging subjects in nature, hummingbirds in flight. This book will benefit photographers of all experience levels who are eager to evolve their outdoor photography and get the most out of their equipment.

Charlotte Lowrie's indispensable guide to taking the best possible pictures with the Canon EOS 50D! Go well beyond the basics with this essential guide to getting great shots with the Canon EOS 50D camera. Professional photographer and bestselling author Charlotte Lowrie packs this portable guide with over 290 pages of beautiful full-color photos, proven techniques, and no-fail formulas for tapping all the features this exciting new high-resolution DSLR camera offers. Get to know your Canon EOS 50D,

learn all the tricks, and then take this handy portable guide with you in the field for quick and easy reference. Master your Canon EOS 50D camera with expert guidance from Seattle-area professional photographer and popular author, Charlotte Lowrie Find pages of step-by-step techniques and professional tips that will help you understand all the functions, menus, and dials on your camera Explore topics that many competitive digital SLR books just touch on, including step-by-step instruction on exposure and composition Learn professional composition and lighting tricks Examine full-color examples of breathtaking ways to capture stills, portraits, and action shots Canon EOS 50D Digital Field Guide is the latest in the bestselling Digital Field Guide series that has taught thousands of photographers and beginners how to get the most out of their digital cameras.

David Busch's Nikon D500 Guide to Digital SLR Photography is the most comprehensive reference and guide book for Nikon's long-awaited 20.9-megapixel enthusiast/professional DX-format digital camera. With the same 180,000-pixel metering sensor and lightning-fast 153-point autofocus system found in Nikon's top-of-the-line D5, this model offers precise exposure and fast focusing at up to 10 frames per second. The D500 adds stunning 4K/UHD video capabilities, and a new "SnapBridge" feature that provides a seamless connection between the camera and a smartphone using a Bluetooth link. With this book in hand, you will discover all the capabilities of the Nikon D500 as you explore the world of digital photography, develop your creativity, and capture the best photographs you've ever taken. Filled with detailed how-to steps and full-color illustrations, David Busch's Nikon D500 Guide to Digital SLR Photography describes every feature of this sophisticated camera in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more. It relates each feature to specific photographic techniques and situations. Also included is the handy camera "roadmap," an easy-to-use visual guide to the D500'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 every menu entry. With bestselling 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, taking pictures as an advanced enthusiast, or just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Nikon D500.

The N75 (also called the F75 in Canada and elsewhere) is Nikon's new, powerful, compact single-lens reflex (SLR) camera; and if you want to learn how to make the most of its capabilities, this well-illustrated Magic Lantern Guide provides all the necessary facts and fundamentals. Find out how to take advantage of features such as the 25-segment 3D Matrix Metering System, subject specific Vari-Program modes, and 5-area autofocus. The helpful advice also covers choosing and using accessory lenses and Nikon's innovative Multi-Sensor flash system. From the button functions to the exposure basics, every facet of the camera comes into clear focus.

David Busch's Sony Alpha a6600/ILCE-6600 Guide to Digital Photography is the most comprehensive reference and guide book available for Sony's flagship APS-C mirrorless camera. This enthusiast digital camera has a more powerful processor and upgraded autofocus with enhanced real-time tracking and advanced Eye AF. Built-in 5-axis image stabilization allows sharp images hand-held even with slower shutter speeds. The a6600's new LCD swivels to face forward, making the camera excellent for self-portraits, vlogging, and other applications. The a6600 features a 24 megapixel sensor with 425 embedded phase-detect pixels for lightning-fast autofocus at up to 11 frames per second, and a more powerful battery to extend shooting life. With an electronic shutter that provides a silent shooting option, stunning 4K/UHD video capabilities, and new time-lapse photography features, the a6600/ILCE-6600 is a versatile digital camera that's simple to use, yet boasts features demanded by the most avid photo buff. With this book in hand, you will discover all the capabilities of the Sony Alpha a6600/ILCE-6600 as you explore the world of digital photography, develop your creativity, and capture the best photographs you've ever taken.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Sony Alpha a6600/ILCE-6600 Guide to Digital Photography* describes every feature of this sophisticated camera in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more. It relates each feature to specific photographic techniques and situations. Also included is the handy camera "roadmap," an easy-to-use visual guide to the a6600/ILCE-6600'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 every 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, taking pictures as an advanced enthusiast pushing the limits of your imagination, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Sony Alpha a6600/ILCE-6600.

Basics Photography 07: Exposure is a comprehensive guide to the theory of exposure, explaining the fundamental relationship between the photographic image and the effects of light intensity and duration. It describes the use of lens aperture and depth of field in relation to exposure and also outlines the principles of in-camera and hand-held light meters: their strengths, limitations and correct use in a wide variety of lighting situations. The book is a detailed guide to using exposure for expressive purposes, making it an invaluable reference tool to all students and practitioners of photography.

previous edition sold 20K units!

Photographers are always looking for perfect light. Unfortunately, the quality of available light, and the situations in which photos are created, are rarely perfect. This is especially true when photographing weddings or portraits on location. So while finding beautiful existing light is every photographer's ideal, it isn't always possible. This is the point at which photographers tend to reach for a portable, on-camera flash. Indeed, these intense light sources can prove invaluable, but only if you know how to use them effectively. In the hands of an inexperienced photographer, on-camera flash will produce images that look flat and lifeless—images with harsh shadows, washed-out skin tones, cavernous black backgrounds, and other unappealing visual characteristics. In this book, acclaimed wedding and portrait photographer Neil van Niekerk shows you how to avoid the pitfalls photographers new to speedlights often encounter so that you can produce professional images using on-camera flash. You'll learn to use simple accessories to manipulate the quality of light from your flash and how to improve a lighting scenario by enhancing rather than overwhelming the existing light. When the available light is too low and too uneven to be combined with flash, he shows you how to override it completely with flash and, with some thought and careful application of specialized techniques, still get results that look great. On-camera flash is one of the most challenging light sources to master, but with the techniques in this book you'll learn to use it with confidence. For wedding and environmental portrait photographers who must work in ever-changing lighting scenarios, this can mean better images and better sales.

Electronic flash not only brings light to a photograph, it can be an important artistic tool—if you've acquired the knowledge to use it creatively. To master those skills, digital photographers need only turn to this complete reference. Packed with inspirational photos, it takes the mystery out of flash, covering every type of equipment and explaining such essentials as guide numbers, sync speeds, white balance, and more. Photographers will see how fill flash can decrease contrast and shadows in outdoor portrait photography, understand how to control the light using bounce and multiple flash techniques, and expertly employ high-speed and rear curtain synchronization to create impressive motion-blur images. Everything you need to know is here—including a section on studio flash and computer processing.

If they aren't carrying much equipment and the natural lighting turns, photographers tend to reach for the on-camera flash button. These

intense light sources can prove invaluable, but only if you know how to use them effectively. In the hands of an inexperienced photographer, on-camera flash will produce images with harsh shadows, washed out skin tones, cavernous black backgrounds and other unappealing visual characteristics. In On-Camera Flash the pitfalls photographers new to speedlights often encounter are outlined, ensuring readers can avoid them.

This cookbook-style guide to portrait lighting contains all the ingredients necessary for a successful photo shoot. With 60 two-page spreads highlighting the techniques used to create stunning portraits alongside the portraits themselves, aspiring photographers will have a clear sense of both the "how" and the "why" of good lighting. Difficult questions such as How can I downplay a double chin and dark shadows under the eyes? and How can I produce a soft, romantic feel in a woman's portrait? Are addressed and resolved in this no-nonsense guide to good lighting.

This guide to on- and off-camera flash picks up where Peterson's "Understanding Exposure" leaves off, helping free photographers from the limitations of auto to get the images they want when natural light isn't enough.

Exposure. It's essential to producing high-quality photographs, but mastering exposure is difficult. At last there's a BetterPhoto guide to exposure, packed with BetterPhoto's signature assignments, diagrams, tips, and illustrations. It's like a full-scale photography course between the covers of the book—all taught the BetterPhoto way, just like photographers learn at the top photography-instruction site on the web. There's plenty of information here on both digital and film photography, discussing how different file formats affect exposure, how to adjust digital files, color correction, combining digital exposures, and much more. The author's stunning full-color photographs make this hardworking guide as inspiring as it is instructive.

This guide opens with in-camera flash basics, then moves to topics such as exposure flash readings, detachable units, flash guide numbers, bounce flash, and fill flash, then covers advanced methods for using off-camera flash, flash brackets, power packs, remote triggering, and other techniques.

Here is a photographer's dream manual, with the newest and hottest cameras, high-quality images, and unequaled, in-depth information provided by an expert author and PCPhoto, the best photography magazine on the market. This fully updated handbook includes a thorough examination of the newest technology issues, including megapixel counts, new image stabilization and sensor cleaning features and live LCDs on D-SLRs. There's a discussion of the importance of resolution, the various formats and file options available, and memory cards and storage choices. Tips on getting the best exposure, making the most of flash, using different lenses and filters, and finding effective ways of applying image-editing software will all help photographers get truly creative.

Canon Speedlites and Nikon Speedlights are small, off-camera flashguns that can provide big results - if you know how to use them properly. Acclaimed Boston photographers Lou Jones, Bob Keenan and Steve Ostrowski guide you through the technical and creative aspects of how to get the most out of these powerful tools in this indispensable guide, packed full of inspirational images and comprehensive diagrams of the lighting set ups used to capture them. They are significantly more advanced, lighter and considerably cheaper than a standard flashgun, and have many advantages. They are small (and cheap) enough that a number can be carried in your kit, and they can be used in combination, triggered wirelessly. They use through-the-lens (TTL) metering, which allows you to use the in-camera LCD and histograms to calculate the required power/direction, rather than having to use a light meter or trial and error. They use proprietary, dedicated technology (from Canon and Nikon) that means there are no compatibility issues. Getting the most out of them, however, remains a mystery - most photographers still just use their speedlights in the same way as a standard flash gun. This is where this book comes in.

By emphasizing basic principles of good lighting and how to apply them, this informative guide shows advanced amateur photographers and professionals how to improve their photographic skills. After explaining different types of light, flash basics, and the benefits of on- and off-camera lighting techniques, it discusses how to use this information to increase the "gasp factor"—that powerful, emotional response that compels the viewer to take a second look at a photograph. Also included are assignments meant to help solidify this new flash knowledge for the photographer in order to put it into practice. As a bonus, the book contains inspirational stories demonstrating real-world applications of the techniques from a photojournalist with decades of experience. Crime Scene Photography, Second Edition, offers an introduction to the basic concepts of forensic picture-taking. 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. The photographic theory and principles have to be well grounded in the physics of optics, the how-to recommendations have to work, and the end result must be admissible in court. Based on the author's years of experience in the field at both the Arlington County and Baltimore County Police Departments, this book blends the practical functions of crime scene processing with theories of photography to guide the student in acquiring the skills, knowledge, and ability to render reliable evidence. This text has been carefully constructed for ease of use and effectiveness in training and was class-tested by the author at George Washington University. Beginning August 2008, this book will be required reading by the IAI Crime Scene Certification Board for all levels of certification (through August 2011). Over 600 full color photographs Two new chapters on 'The History of Forensic Photography,' and 'Digital Image Processing of Evidentiary Photography' An essential reference for crime scene photography, including topics such as Composition, the Inverse Square Law, Court Cases affecting photography, Digital Image Processing, and Photogrammetry Required reading by the Crime Scene Certification Board of the International Association for Identification (IAI) for all levels of certification

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Welcome to A Manual on Exposure in Photography. This book is unique and describes photography on a high level; it teaches how to observe sharply. This manual explains the theory and practice of setting the correct exposure for camera and Flash-gun. With the current filters, and film material, it is possible to take pictures under almost all circumstances. You can read how to use light, colour and photographic position, with minimum resources professional exposure and photographing. I myself take photos with all types of cameras; even with the Twin - lens reflex camera with two lenses used in the past. This book is intended for beginners and advanced; for all types of cameras and technical matters. This book describes the essence of digital photography: how to obtain the best results with your camera and avoid errors. Digital photography is a pleasure as you can edit your photos to suit your wishes. The book describes several themes of photography: vacations, weddings and parties, studio photography, landscapes, flowers, animals, close ups, and much more. In addition, as a beginner you can also read how to work in Photoshop. Landscape photography with automatic exposure is very simple. Portrait photography involves artistic deformation: the softening of the light and the softness and the colour of the skin. As a hobby photographer, you can often get better results and create new ideas for portrait photography with homemade equipment. We hope that A Manual on Exposure in Photography will encourage

you to make better use of your camera and get more pleasure out of photographing.

Flash is a necessary and immensely creative tool that dramatically increases the opportunities of any amateur photographer. However, many amateurs find flash intimidating, unsure of where to begin. Instead, they continue limiting themselves to shooting only available light. *Understanding Flash Photography* is a guide to off-camera flash, helping free photographers from “auto” to get the images they want when natural light isn’t enough. If you’ve been afraid to venture past natural light, here is the book that will finally help you explore the exciting possibilities of artificial light. Author Bryan Peterson starts by breaking down how flash works, then dispels the widely held myth that automatic “TTL” flash exposure is easier, explaining how to quickly master manual flash exposure to control the quality, shape, and direction of light. For the hundreds of thousands who found *Understanding Exposure* an exciting tool in moving past “auto” exposure in available light, *Understanding Flash Photography* is the essential companion to mastering the often challenging exposure puzzle.

Starting with the basics of camera control and moving on to shutter speeds, aperture, zoom and flash, Langford’s *Starting Photography* gives you the only introduction to digital photography you’ll ever need. Once you’ve mastered the basics, examples and projects allow you to explore the key methods for capturing a variety of subjects from portraits and pets to landscapes and sports photography, alongside straightforward advice on using editing software to get the best out of your digital shots, will have you producing unforgettable images in moments. More inspiring than a textbook, more interesting than a reference, and more in-depth than a photography class, Langford’s *Starting Photography* is the only guide you need to start taking great images.

In order to develop your artistic skills to the best of your ability, you first must understand the science and the fundamentals of photography. Whether you are a student of photography or a seasoned professional, this thoroughly updated edition of the classic text *Basic Photographic Materials and Processes* will provide all of the scientific information that you need. Full color throughout for the first time, this third edition covers new topics including digital resolution, digital sensor technology, scanner technology, color management, and tone reproduction. This handy pocket guide is an essential field guide to crime scene photography. The authors have used limited technical terms and jargon to distill concepts down to understandable, step-by-step methodologies. The book highlights best practices that apply to most any crime scene but specialized instructions—pertaining to unique evidence and crime scenes that present challenging conditions—are also provided. The book introduces concise, comprehensive checklists for photographing such evidence as tire tracks, dust impressions, fingerprints, luminescence from trace blood search reagents, and more. This convenient reference allows police professionals, investigators, and crime scene analysts and technicians to improve their proficiency to achieve professional, reliable results.

The tenth edition of *The Manual of Photography* is an indispensable textbook for anyone who is serious about photography. It is ideal if you want to gain insight into the underlying scientific principles of photography and digital imaging, whether you are a professional photographer, lab technician, researcher or student in the field, or simply an enthusiastic amateur. This comprehensive guide takes you from capture to output in both digital and film media, with sections on lens use, darkroom techniques, digital cameras and scanners, image editing techniques and processes, workflow, digital file formats and image archiving. This iconic text was first published in 1890 and has aided many thousands of photographers in developing their own techniques and understanding of the medium. Now in full colour, *The Manual of Photography* still retains its clear, reader-friendly style and is filled with images and illustrations demonstrating the key principles. Not only giving you the skills and know-how to take stunning photographs, but will also allowing you to fully understand the science behind the creation of great images. An introduction to the Canon EOS 40D camera examines the purpose and function of the camera's basic controls and how to use them, accompanied by explanations of custom functions, selecting and using lenses, accessories, working with light and exposure, and working with RAW capture. Original. (All Users)

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