

# Canon G12 Manual

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David Busch's Canon Powershot G16 Guide to Digital Photography David D. Busch 2014 This guide covers all the features, controls, and functions of the Canon PowerShot G16 pocket-sized digital camera including Wi-Fi connectivity options, 12 megapixels of resolution, blazing fast automatic focus, and special Scene modes that make it easy to take pictures under any type of conditions. Introductory chapters cover the basics of the camera before exploring creative ways to apply file formats, resolution, and exposure. Beautiful, full-color images illustrate the essential buttons and dials. The guide discusses how to select the best autofocus mode, shutter speed, f/stop, and flash capability to take great pictures under any conditions; advanced shooting techniques, including high-definition movie making; and the basics of good photography.

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**Canon EOS Rebel T3i EOS 600D, EOS Rebel T3 EOS 1100D** Michael Guncheon 2011 aA guide to the Canon Rebel T3i and T3 camera describes the camera's controls, lighting, composition, lenses, and ways to download and edit photographs.

**The HDRI Handbook 2.0** Christian Bloch 2013-01-01 ! BONUS DVD ONLY WITH THE PRINT EDITION (NOT AVAILABLE WITH eBOOKS) ! In 2007, The HDRI Handbook was the first book to present this revolutionary new field to a larger audience. These days HDRI is a fully mature

technology available to everyone. Real estate and landscape photographers have adopted it as part of their regular workflow, it has become one of the hottest trends for ambitious amateurs and creative professionals alike, and the modern movie industry would be completely dysfunctional without it. Now The HDRI Handbook 2.0 redefines its own gold standard. It has been completely rewritten and is packed with practical hints and tips, background knowledge, reference tools, breathtaking artist portfolios, and inspiring interviews. The book includes dozens of new step-by-step tutorials. Beginners will get a methodically solid introduction and advanced readers will be able to refine their technique to perfection. Topics include:- Understanding the foundation of HDRI- HDR software comparisons and evaluations- Capturing HDR images: today and tomorrow- Tonemapping for creating superior prints- HDR image processing and compositing- Shooting and stitching HDR panoramas- Image-based lighting and CG rendering 2.0 updates include:- New cameras, sensors, and HDR beamsplitter rigs- Open Camera Controller for endless auto-bracketing- Correct RAW pre-processing and ghost removal- Dozens of practical, easy-to-follow tutorials- A structured approach to tonemapping, inspired by Ansel Adams- Set etiquette and tips for capturing HDR panos for visual effects- Seven artist spotlights showing unique perspectives on HDRI- Seven crossword

puzzles: a fun way to test yourself ! BONUS DVD ONLY WITH THE PRINT EDITION (NOT AVAILABLE WITH eBOOKS) !

### **Infrasound Monitoring for Atmospheric Studies**

Alexis Le Pichon 2010-01-19 The use of infrasound to monitor the atmosphere has, like infrasound itself, gone largely unheard of through the years. But it has many applications, and it is about time that a book is being devoted to this fascinating subject. Our own involvement with infrasound occurred as graduate students of Prof. William Donn, who had established an infrasound array at the Lamont-Doherty Geological Observatory (now the Lamont-Doherty Earth Observatory) of Columbia University. It was a natural outgrowth of another major activity at Lamont, using seismic waves to explore the Earth's interior. Both the atmosphere and the solid Earth feature velocity (seismic or acoustic) gradients in the vertical which act to refract the respective waves. The refraction in turn allows one to calculate the respective background structure in these mediums, indirectly exploring locations that are hard to observe otherwise. Monitoring these signals also allows one to discover various phenomena, both natural and man-made (some of which have military applications).

**Photoshop Lightroom** Jeff Revell 2012-04-13 Now that you've got those amazing DSLR shots, you need a book that goes beyond the software manual to help you organize and process your images using Adobe Photoshop Lightroom—including the recently announced Adobe Photoshop Lightroom 4. In *Photoshop Lightroom: From Snapshots to Great Shots*, professional photographer Jeff Revell helps you master the fundamentals and create stunning ready-to-display images. Jeff covers the basics—from importing images, to making minor fixes and local edits, to applying special effects to fine-tune your photographs. You'll also get a sneak-peek at Jeff's entire workflow as he shows you how to make adjustments to your photos and complete your vision for a shot—a process that begins the moment

you pick up your camera and ends with your final edit in Lightroom. Follow along with your friendly and knowledgeable guide, and you will learn key software techniques to organize and improve your images, including: Importing and tracking your images using keywords, filters, and Smart Collections Using the selective adjustment tools to improve the quality of your images Enhancing your images with gradients, vignettes, and Dodge & Burn Creating a photo book Printing contact sheets or a picture package Sharing your images via email, slideshows, or an online Web gallery Whether you just purchased Lightroom 4 or are hanging onto a previous edition, this guide is packed with expert advice and tips and written by a photographer for photographers—all geared to help you understand the fundamentals and create an efficient photography workflow. Beautifully illustrated with large, vibrant photos, this book teaches you how to take control of your photography to get the image you want every time. Join the book's Flickr group to share your photos and discuss how you use Photoshop Lightroom to make great shots at [flickr.com/groups/photoshoplightroomfromsnapshots-togreatshots](http://flickr.com/groups/photoshoplightroomfromsnapshots-togreatshots).

### Canon Powershot G1X David Taylor 2015-02-21

The PowerShot G1 X is the latest and, arguably, the greatest of the 'G' series of compact cameras produced by Canon, aimed at advanced amateur and professional photographers, and achieved through tactile controls, a wide range of creative functions and a more functional design aesthetic. The G1 X is well specified, with logical, easy-to-use controls. Author David Taylor's comprehensive step-by-step guide includes practical tips on how to get the best from this versatile camera.

### **Photographer's Guide to the Fujifilm Finepix X100**

Alexander S. White 2011-11 This book, a complete guide to the operation and features of the Fujifilm FinePix X100 digital camera, is a follow-up to the author's earlier guides to advanced compact digital cameras. The new book explains all operations, features, menus, and controls of the FinePix X100

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 tone in explaining topics such as autofocus, manual focus, depth of field, aperture priority, shutter priority, HDR (High Dynamic Range) photography, white balance, and macro photography. The book also includes discussions of the camera's special features, including its "hybrid" viewfinder system. The book's more than 190 photographs, almost all in full color, provide illustrations of the camera's controls and menus, and also include examples of the various types of photographs that can be taken using the many creative settings of the camera, including the Film Simulation settings, which let the photographer alter the color processing of images; various menu options such as Dynamic Range, Highlight Tone, and Shadow Tone; and the camera's strong array of features for continuous shooting. In addition, the book goes beyond the realm of everyday photography, providing introductions to more advanced topics such as infrared photography, street photography, astrophotography, and creating 3D (three-dimensional) images that can be viewed with conventional red and blue 3D glasses. The book also includes a full discussion of the video recording abilities of the FinePix X100, which can record high-definition (HD) video with stereo sound. In three appendices, the book provides information about accessories available for the camera, including cases, filter adapters, and external flash units; sets forth a list of useful web sites and other resources for further information; and includes a section with helpful "quick tips" that give particular insights into how to take advantage of the camera's features in the most efficient ways possible.

**Earth Observations for Geohazards** Zhenhong Li

2018-07-05 This book is a printed edition of the Special Issue "Earth Observations for Geohazards" that was published in Remote Sensing)

**Photographer's Guide to the Sony DSC-RX100 VII**

Alexander White 2019-09-29 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.

**Canon Powershot G15** David Taylor 2013-01-01 The PowerShot G15 features the brightest lens in a PowerShot G-series model to date, with a new f/1.8-2.8, 5x zoom lens, providing the user with an extra-wide aperture throughout the camera's entire focal range. Designed for advanced users looking for premium quality, class-leading performance in a compact body and features the acclaimed HS System, which offers outstanding low-light performance and exceptionally low noise levels in all conditions. Canon's optical Image Stabilizer with Intelligent IS ensures the sharpest image quality throughout the camera's zoom range, while manual control and RAW file support provides the user with maximum control over how images are captured and post-processed. Author David Taylor's comprehensive step-by-step guide includes practical tips on how to get the best from this versatile camera. Book includes a pull-out reference card gives quick access to the camera's functions.

**Operating Manual for Inspection of Projects and Supervision of Licenses for Water Power Projects** 1996

**Automotive Transmissions** Yong Chen 2020-07-30 This book introduces readers to the theory, design and applications of automotive transmissions. It covers multiple categories, e.g. AT, AMT, CVT, DCT and transmissions for electric vehicles, each of which has its own configuration and characteristics. In turn, the book addresses the effective design of transmission gear ratios, structures and control

strategies, and other topics that will be of particular interest to graduate students, researchers and engineers. Moreover, it includes real-world solutions, simulation methods and testing procedures. Based on the author’s extensive first-hand experience in the field, the book allows readers to gain a deeper understanding of vehicle transmissions.

*The Fujifilm X-E2* Rico Pfirstinger 2014-08-25 The Fujifilm X-E2: Beyond the Manual provides experience-based information and insights for owners of the Fujifilm X-E2 mirrorless system camera. Fuji X-Pert series author Rico Pfirstinger teaches little-known capabilities of the X-E2 that he's discovered through several months of in-depth research. This book focuses on insights that you won't find in the manual, skipping tedious explanations of basic camera functions and operations. Instead, it cuts to the chase and provides readers with a plethora of tips and practical instructions that will enable them to fully explore the capabilities of the X-E2. The X-E2 combines classic design with state-of-the-art digital camera technology originally seen in the X-Pro1 and X-E1 system cameras. These features have been further improved to achieve the X-E2: Fujifilm's most capable camera to-date, with an ever-growing set of already more than ten interchangeable X-Mount lenses. The Fujifilm X-E2: Beyond the Manual presents numerous tips and tricks that will maximize your ability to use the Fujifilm X-E2 to its full potential.

*Canon 5D Mark III* Ibarionex Perello 2012-07-10 Created expressly for the beginning photographer—no matter what camera you might be using—Peachpit Press's bestselling From Snapshots to Great Shots books teach you the core fundamentals of photography, and show you exactly how to execute those fundamentals with your camera. Now that you’ve bought the amazing Canon 5D Mark III, you need a book that goes beyond a tour of the camera’s features to show you exactly how to use the 5D Mark III to take great

pictures. With *Canon 5D Mark III: From Snapshots to Great Shots*, you get the perfect blend of photography instruction and camera reference that will take your images to the next level! Beautifully illustrated with large, vibrant 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. With *Canon 5D Mark III: From Snapshots to Great Shots*, you'll learn not only what makes a great shot work—you'll learn how to get that shot using your 5D Mark III. And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your Canon 5D Mark III to get great shots at

[www.flickr.com/groups/Canon5DMarkIIIFromSnapshotstoGreatShots](http://www.flickr.com/groups/Canon5DMarkIIIFromSnapshotstoGreatShots). Includes Free Video Access The purchase of your *Canon 5D Mark III: From Snapshots to Great Shots* print book gives you free access to almost two hours of video training from the author. So in addition to reading about how to use your camera, you can also join Ibarionex Perello on a journey around the San Francisco Bay Area as he demonstrates the powerful features of the 5D Mark III and how you can create amazing images, whether you're shooting portraits, landscapes, or video. And after you've got your shot, you can go into the digital darkroom with Ibarionex and learn how to import, tag and rate, and edit and enhance your images in Lightroom, and then share them with the world.

**Photographing Iceland Volume 1** James Rushforth 2021-07

*Pentax K10D* Peter K. Burian 2007 The K10D 10-megapixel digital camera is proof positive that Pentax has become a serious contender in the digital SLR market. With its impressive 10.2 megapixel image sensor, shake-reduction technology, automatic dust removal cleaning system, weather resistant body seals, and more, it's both feature-packed and an excellent value. This new Magic Lantern Guide details every function and operation of this exciting camera. Page by information-packed

page, it helps camera buyers become better photographers by helping them take advantage of every control, as well as providing general principles of photography and lighting.

*Canon EOS M* Jeff Carlson 2013-03-17 Now that you've bought the amazing Canon EOS M, you need a book that goes beyond a tour of the camera's features to show you exactly how to use the EOS M to take great pictures. With *Canon EOS M: From Snapshots to Great Shots*, you get the perfect blend of photography instruction and camera reference that will take your images to the next level!

Beautifully illustrated with large, vibrant 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. Follow along with your friendly and knowledgeable guide, photographer and author Jeff Carlson, and you will: Learn the top ten things you need to know about shooting with the EOS M Use the EOS M's automatic modes to get better shots right away Move on to the Creative zone, where you have full control over the look and feel of your images Master the photographic basics of composition, focus, depth of field, and much more Learn all the best tricks and techniques for getting great landscapes, portraits, and action shots Find out how to get great shots in low light Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter With *Canon EOS M: From Snapshots to Great Shots*, you'll learn not only what makes a great shot work—you'll learn how to get that shot using your EOS M. And once you've captured the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your EOS M to get great shots at [flickr.com/groups/eosmfromsnapshotstogreatshots](http://flickr.com/groups/eosmfromsnapshotstogreatshots).

**The Marsh Lions** Brian Jackman 2012 Follows the lives of a pride of lions in one of Kenya's largest game preserves over a five-year period and describes the other animals that inhabit the African marsh lands.

*Canon EOS Rebel T2i / 550D* Jeff Revell 2010-06-23 Now that you've bought the amazing Canon EOS

Rebel T2i/550D, you need a book that goes beyond a tour of the camera's features to show you exactly how to use the Rebel to take great pictures. With *Canon EOS Rebel T2i/550D: From Snapshots to Great Shots*, you get the perfect blend of photography instruction and camera reference that will take your images to the next level! Beautifully illustrated with large, vibrant 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. Follow along with your friendly and knowledgeable guide, photographer and author Jeff Revell, and you will: Learn the top ten things you need to know about shooting with the Rebel Use the Rebel's automatic modes to get better shots right away Move on to the Creative zone, where you have full control over the look and feel of your images Master the photographic basics of composition, focus, depth of field, and much more Learn all the best tricks and techniques for getting great action shots, landscapes, and portraits Find out how to get great shots in low light Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter With *Canon EOS Rebel T2i/550D: From Snapshots to Great Shots*, you'll learn not only what makes a great shot work—you'll learn how to get that shot using your Rebel. And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your Rebel to get great shots at [flickr.com/groups/canonrebelt2i550dfromsnapshotsgreatshots](http://flickr.com/groups/canonrebelt2i550dfromsnapshotsgreatshots).

*David Busch's Canon Powershot G15 Guide to Digital Photography* David D. Busch 2012 This guide shows you how, when, and why to use all the features, controls, and functions of the G15 to take great photographs and movies.

**Nikon D5300 Digital Field Guide** J. Dennis Thomas 2014-02-19 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!

*Speedlitter's Handbook* Syl Arena 2010-12-19 Getting your Canon Speedlite to produce the light you need can be a real challenge. For those new to flash photography—or for anyone who has previously given up out of frustration—*Speedlitter's Handbook* is a revelation. Photographer Syl Arena takes you on a journey that begins with an exploration of light and color, moves through a comprehensive discussion of the Canon Speedlite family and all of the accessories and equipment available to the Speedlitter, then settles down to crafting great light in one photo shoot after another. Whether you want to create a classical portrait, shoot an event, or simply add a little fill light to a product shot, *Speedlitter's Handbook* shows you how. A fantastic in-depth resource illustrated with over 500 images, *Speedlitter's Handbook* covers: how to see the various characteristics and properties of light itself, as well as the differences between how your

camera sees versus how you see all the buttons and dials of the entire Canon Speedlite family the basics of on-camera flash...and the necessity of getting your flash off the camera how to beautifully balance flash with the existing ambient light all the equipment necessary for great Speedlite shots how to get amazing shots with just one Speedlite how and when to use E-TTL versus manual flash the use of color gels to balance color, as well as create dramatic effects how to tame the sun—or any really bright light—with hi-speed sync and much, much more Whether you're shooting portraits, events, or sports, Speedlites Handbook is an essential resource that teaches you how to craft the light you need for any type of shot you want.

Magic Lantern Guides: Pentax K-7 Peter K. Burian 2009-10 - Guide to Pentax's mid-price "prosumer" camera, created in response to customer demand - Camera is loaded with great features, including Live View, HD Video modes, Shake Reduction, auto HDR function, auto distortion compensation, and more

Canon PowerShot G12 Jeff Carlson 1900 This book is for anyone who wants to get the best shots possible but isn't sure what to do next. There's the manual, as well as competing books, and while they all tell camera owners, often in 400+ pages, what the camera can do, none of them shows them exactly how to use their camera to create great images! Everything in the book is in service of creating a great image. The author carefully guides readers through the modes of the camera and gives practical advice from a pro on which settings to use when, shooting tips, and even end-of-chapter assignments so readers can test their knowledge. Star.

*Digital Macro and Close-Up Photography For Dummies* Thomas Clark 2011-08-09 Provides information and examples on the equipment and techniques of macro and close-up photography.

**Photographer's Guide to the Sony DSC-RX10 II** Alexander S. White 2015-11-21 This book is a complete guide to using the Sony Cyber-shot DSC-

RX10 II camera, one of the most advanced compact cameras available. With this book, author Alexander White provides users of the RX10 II with a manual covering all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to accomplish things with the RX10 II, and explains when and why to use the camera's many features. The book provides details about the camera's shooting modes as well as its menu options for shooting, playback, setup, and special effects. The book covers all of the features of the RX10 II that are new for this model, including its electronic shutter, faster continuous shooting, 4K video recording, and ability to shoot video at up to 960 frames per second for super slow-motion playback. The book includes more than 450 color photographs that illustrate the camera's controls, display screens, and menus. The images also provide examples of photographs taken using the RX10 II's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and the Creative Style and Picture Effect menu options, with settings for altering the appearance of images. The book also provides introductions to topics such as street photography, astrophotography, and digiscoping. The book includes a full discussion of the video features of the RX10 II, which can shoot HD and 4K (ultra-HD) movies, with manual control of exposure and focus during movie recording. The book also explains the camera's numerous features 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 RX10 II, including cases, power sources, remote controls, and external flash units, 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 RX10 II includes a detailed index, so the reader can quickly find needed information about any particular feature or aspect of the camera.

*Canon Powershot G10* Jason Schneider 2009 Magic Lantern is broadening its sights and has turned its attention to the innovative compact digital cameras that are now appearing in the market. These new compacts allow photographers to retain creative control over their images, yet come without the heavy kit to drag around - making them an increasingly popular choice for both professionals and amateurs. The versatility of the Canon G10 is almost unheard of in a digital compact camera - particularly for photographers moving up from basic compacts. Jason Schneider will walk them through every feature and function so they can use this remarkable camera to its fullest potential

Canon PowerShot G12 Jeff Carlson 2011-01-25 Now that you've bought the amazing Canon PowerShot G12, you need a book that goes beyond a tour of the camera's features to show you exactly how to use your camera to take great pictures. With *Canon PowerShot G12: From Snapshots to Great Shots*, you get the perfect blend of photography instruction and camera reference that will take your images to the next level! Beautifully illustrated with large, vibrant photos from the author and the Flickr community, this book teaches you how to take control of your photography to get the image you want every time you pick up the camera. Follow along with your friendly and knowledgeable guide, Jeff Carlson, and you will: Learn the top ten things you need to know about shooting with the PowerShot G12 Use the camera's Automatic modes to get better shots right away, and then take full control over the look and feel of your images with the Creative modes Master the photographic basics of composition, focus, depth of field, and much more Learn all the best tricks and techniques for getting great action shots, landscapes, and portraits Find out how to get great shots in low light Learn the basics behind shooting HD video and start making movies

of your own Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your camera to get great shots at [flickr.com/groups/canon\\_g12\\_from\\_snapshots\\_to\\_gr eatshots](http://flickr.com/groups/canon_g12_from_snapshots_to_gr eatshots).

*Insect Photography* John Bebbington 2012-12-21 Insect photography is a challenging and stimulating art. Well-shot images give stunning results, which can aid study and enhance enjoyment of the natural world. This practical book explains how to reliably take those photographs. Through introducing insects and their behaviour, it advises on when and how to see nature at work and, by instructing on techniques, it shows how to capture the moment to dramatic effect. Advises on buying and using equipment for both compact camera and SLR users. Describes how to find and understand insects, and encourages responsible photography and good fieldcraft. Instructs on composition, exposure, lighting and advanced techniques. Suggests ways of sharing images, cataloguing and caring for them, and backing them up. Aimed at amateur and professional naturalists and photographers, as well as artists. Insect photography is a challenging and stimulating branch of the photographic art. This practical book introduces you to the world of insects, teaching you to take reliably stunning photographs through good fieldcraft, honed technical skill and an understanding of the subject. Aimed at amateur naturalists who would like to be able to use basic equipment; professional entomologists and naturalists and serious amateur and professional photographers. Beautifully illustrated with 292 colour photographs. John Bebbington is a teacher of photography, fellow of the Royal Photographic Society and chairman of the RPS Nature Group.

**Canon EOS 5D Mark II Digital Field Guide** Brian McLernon 2012-01-18 Easy-to-understand techniques for getting the most from your Canon EOS 5D Mark II DSLR At nearly \$3,000 for the

body only, the Canon 5D Mark II DSLR is for amateurs and semi-professionals who are serious about taking great photos-and this go-anywhere guide shares insight for doing just that. Authors Charlotte Lowrie and Brian McLernon walk you step by step through each function on the Canon EOS 5D Mark II, going into more depth and scope than the standard manual that accompanies the camera. Portable and easy to understand, the book shows you how to get the exact show you want, when you want them, and is packed with more than 200 beautiful color photos. Includes step-by-step techniques and professional tips on taking exceptional photos with your Canon EOS 5D Mark II Reviews how to better understand the various functions and potential of your Canon EOS 5D Mark II Features samples of inspirational photos taken by the author With so much helpful advice for getting the most out of your Canon EOS 5D Mark II, you'll be referencing this guide again and again.

**Photoshop Masking & Compositing** Katrin Eismann 2012-08-24 Designers, photographers, and artists use Photoshop to create fantastic and realistic images for illustrations, fine art, and editorial content. Whether they're landscape or portrait photographers, illustrators or fine artists, masking and compositing are essential skills to master for combining images to the extent that it is impossible to tell where one image stops and the other one begins. In this completely revised edition of her best-selling guide to masking and compositing, Photoshop artist and educator Katrin Eismann--along with compositing experts Sean Duggan and James Porto--takes readers through numerous step-by-step examples, highlighting the tools and techniques used for masking and combining images. Featuring work by leading artists and photographers, this book focuses on the techniques used to create compelling compositions, including making fast and accurate selections, mastering Photoshop's masking tools, and implementing the concept and photography from start to finish. The book addresses working with Photoshop's selection tools; selecting and

maintaining fine details and edges; and working with difficult image elements, such as cloth, hair, or translucent objects. All-new photographic examples, updated instruction to cover the latest version of Adobe Photoshop, and an expanded section on shooting photographs for composite work make this a must-have guide for anyone interested in photographing and creating professional composite images. Visit [www.peachpit.com/pmc2e](http://www.peachpit.com/pmc2e) to download dozens of the images featured in this book and practice the illustrated techniques with the same files used in the book. Also, download a full, free chapter on how to use the Pen Tool, one of the best selection tools in Photoshop.

### **High-Throughput Field Phenotyping to Advance Precision Agriculture and Enhance Genetic Gain**

Urs Schmidhalter 2021-08-10

**Hold Still** 2021-05 Spearheaded by The Duchess of Cambridge, Patron of the National Portrait Gallery, Hold Still was an ambitious community project to create a unique collective portrait of the UK during lockdown. People of all ages were invited to submit a photographic portrait, taken in a six-week period during May and June 2020, focussed on three core themes - Helpers and Heroes, Your New Normal and Acts of Kindness. From these, a panel of judges selected 100 portraits, assessing the images on the emotions and experiences they conveyed. Featured here in this publication, the final 100 images present a unique and highly personal record of this extraordinary period in our history. From virtual birthday parties, handmade rainbows and community clapping to brave NHS staff, resilient keyworkers and people dealing with illness, isolation and loss. The images convey humour and grief, creativity and kindness, tragedy and hope - expressing and exploring both our shared and individual experiences. Presenting a true portrait of our nation in 2020, this publication includes a foreword by The Duchess of Cambridge, each image is accompanied by an extended caption and further works show the nationwide outdoor exhibition of Hold Still.

*A Practical Guide to Sentiment Analysis* Erik

Cambria 2017-04-07 Sentiment analysis research has been started long back and recently it is one of the demanding research topics. Research activities on Sentiment Analysis in natural language texts and other media are gaining ground with full swing. But, till date, no concise set of factors has been yet defined that really affects how writers' sentiment i.e., broadly human sentiment is expressed, perceived, recognized, processed, and interpreted in natural languages. The existing reported solutions or the available systems are still far from perfect or fail to meet the satisfaction level of the end users. The reasons may be that there are dozens of conceptual rules that govern sentiment and even there are possibly unlimited clues that can convey these concepts from realization to practical implementation. Therefore, the main aim of this book is to provide a feasible research platform to our ambitious researchers towards developing the practical solutions that will be indeed beneficial for our society, business and future researches as well.

**Canon EOS 6D** Colby Brown 2013-04-12 Now that you've bought the amazing Canon EOS 6D, you need a book that goes beyond a tour of the camera's features to show you exactly how to use the camera to take great pictures. With *Canon EOS 6D: From Snapshots to Great Shots*, you get the perfect blend of photography instruction and camera reference that will take your images to the next level! Beautifully illustrated with large, vibrant 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. Follow along with your friendly and knowledgeable guide, photographer and author Colby Brown, and you will: Learn the top ten things you need to know about shooting with the 6D Use the camera's automatic modes to get better shots right away Move on to the professional zone, where you have full control over the look and feel of your images Master the photographic basics of composition, focus, depth of field, and much more Learn all the best tricks and

techniques for getting great action shots, landscapes, and portraits Find out how to get great shots in low light Learn how to shoot video with your 6D and start making movies on your own Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your 6D to get great shots at [flickr.com/groups/canon6dfromsnapshotsstogreatshots](http://flickr.com/groups/canon6dfromsnapshotsstogreatshots)

### **Photographer's Guide to the Sony DSC-RX10**

Alexander S. White 2014-03-21 In this comprehensive guide book to the Sony DSC-RX10 camera, author Alexander White provides users of the RX10 with a roadmap to all operations, features, menus, and controls of the camera. Using a tutorial-like approach, the book shows beginning and intermediate photographers not only how to accomplish things with the RX10, but when and why to use the camera's features. The book does not assume specialized knowledge by the reader as it explains topics such as autofocus, manual focus, aperture priority, shutter priority, exposure compensation, white balance, and ISO sensitivity. The book discusses the camera's numerous shooting modes as well as its menu options for shooting, playback, setup, and special effects. The book includes complete coverage of the Wi-Fi features of the RX10, including the capability to transfer images and videos over a wireless network and to control the camera remotely with a smartphone or tablet. The book includes more than 400 color photographs that illustrate the camera's controls, display screens, and menus. The images also provide examples of the photographs that can be taken using the RX10's Scene shooting mode, with settings that are optimized for various subjects, including landscapes, portraits, and action shots; the Creative Style and Picture Effect menu options, which offer dramatic options for altering the appearance of images; and the camera's features for continuous shooting and shooting in dim lighting. In addition,

the book provides introductions to topics such as infrared photography, street photography, astrophotography, digiscoping, and macro photography. The book includes a full discussion of the advanced video recording abilities of the RX10, which can shoot high-definition video with stereo sound, with manual control of exposure and focus during movie recording, and professional-level features such as zebra stripes to gauge exposure and connections for external microphones and headphones. In three appendices, the book provides information about accessories for the RX10, including cases, external flash units, and microphones, and includes a list of web sites 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.

**Sentiment Analysis and Opinion Mining** Bing Liu  
2012 Sentiment analysis and opinion mining is the field of study that analyzes people's opinions, sentiments, evaluations, attitudes, and emotions from written language. It is one of the most active research areas in natural language processing and is also widely studied in data mining, Web mining, and text mining. In fact, this research has spread outside of computer science to the management sciences and social sciences due to its importance to business and society as a whole. The growing importance of sentiment analysis coincides with the growth of social media such as reviews, forum discussions, blogs, micro-blogs, Twitter, and social networks. For the first time in human history, we now have a huge volume of opinionated data recorded in digital form for analysis. Sentiment analysis systems are being applied in almost every business and social domain because opinions are central to almost all human activities and are key influencers of our behaviors. Our beliefs and perceptions of reality, and the choices we make, are largely conditioned on how others see and evaluate the world. For this reason, when we need to make a decision we often seek out the opinions of others.

This is true not only for individuals but also for organizations. This book is a comprehensive introductory and survey text. It covers all important topics and the latest developments in the field with over 400 references. It is suitable for students, researchers and practitioners who are interested in social media analysis in general and sentiment analysis in particular. Lecturers can readily use it in class for courses on natural language processing, social media analysis, text mining, and data mining. Lecture slides are also available online. Table of Contents: Preface / Sentiment Analysis: A Fascinating Problem / The Problem of Sentiment Analysis / Document Sentiment Classification / Sentence Subjectivity and Sentiment Classification / Aspect-Based Sentiment Analysis / Sentiment Lexicon Generation / Opinion Summarization / Analysis of Comparative Opinions / Opinion Search and Retrieval / Opinion Spam Detection / Quality of Reviews / Concluding Remarks / Bibliography / Author Biography  
**Photogrammetric Applications for Cultural Heritage**  
JON. BEDFORD 2017-10-31 This guidance covers the practical application of photogrammetry in recording cultural heritage, with particular reference to structure from motion (SfM) techniques. Our audience for this document includes survey contractors, archaeological contractors, voluntary organisations and specialists. Photogrammetric image acquisition and processing, until recently requiring a considerable investment in hardware and software, are now possible at a fraction of their former cost. This has led to a huge increase in the use of photogrammetry in cultural heritage recording. The skills required to apply the techniques successfully and accurately are discussed, and background information on how various parts of the process work is provided so that better results can be achieved through better understanding. Photogrammetry is characterised by its versatility, and is applicable over a wide range of scales, from landscapes to small objects. The particular requirements needed at these different scales are

outlined, and both imaging techniques and useful ancillary equipment are described. The different types of outputs are discussed, including their suitability for further interrogation using a range of established analytical techniques and the presentation options available. A range of case studies illustrates the application of photogrammetry across a variety of projects that broadly reflect the areas discussed in the text. This document is one of a number of Historic England technical advice documents on how to survey historic places.

*Photography in Clinical Medicine* Paola Pasquali  
2020-12-09 This book explains how medical photography is part of the workflow in many specialties: it is needed for registries, to preserve information, for follow up, second opinion and teaching, among others. The book gathers information on this field, providing valuable practical tips for those that have never used photography for medical uses as well as those who

use it regularly. Covering specialities ranging from dermatology, plastic surgery, dentistry, ophthalmology and endoscopy to forensic medicine, specimen photography and veterinary medicine, it highlights standardization for each procedure and relevance to ethical, patients' perception of medical photography, cybersecurity and legal aspects. The book also presents practical sections explaining how to organize a photographic file, coding, reimbursement, compliance, use of social media and preservation as well as in depth concepts on sharp focus on blurred vision. This volume will appeal to all clinicians and practitioners interested in acquiring a high level of technical skill in medical photography.

Graeme Burton 2002-09-11 The authors cover the essential elements of communication, including communication between individuals and groups, in organizations and through mass media and new technologies.

*More Than Words*