

## Canon G12 Quick Guide

The iPad Has Earned a Place in Your Camera Bag! Apple's popular iPad tablet is an incredibly useful tool for photographers on the go. Instead of hauling a laptop on the road or to a photo shoot, you can tuck the lightweight iPad in your camera bag and take advantage of its large screen, third-party apps, and online access to effectively complete and share your work. Novice to pro shooters will discover everything that the iPad has to offer with simple step-by-step instructions and real-world advice for: Importing and copying photos from memory cards using the iPad Camera Connection Kit, then uploading and backing up to iCloud Photo Stream or Dropbox. Organizing and rating images and assigning tags in the field, and integrating them later with Adobe Photoshop Lightroom on your computer. Editing photos with Photogene, Snapseed, and other image adjustment tools. Editing video clips in iMovie, creating slideshows, rough cuts, and more. Using portfolio software to create and deliver impressive iPad presentations for prospective clients. Photographers will learn other clever uses for iPads including triggering the camera shutter remotely, using the screen as a fill flash, calculating depth of field, tracking outdoor light conditions, storing camera manuals as PDFs for quick reference, and other handy at-your-fingertip resources to complement your particular shooting style. A bonus online chapter with additional coverage for the new iPad—including iPhoto and Photoshop Touch apps—is included with purchase. The iPad is a powerful photography tool and this guide will help every photographer take advantages of its full capabilities! A concise, hands-on guide with many practical examples and a detailed treatise on inference and social science research that will help you in mining data in the real world. Whether you are an undergraduate who wishes to get hands-on experience working with social data from the Web, a practitioner wishing to expand your competencies and learn unsupervised sentiment analysis, or you are simply interested in social data analysis, this book will prove to be an essential asset. No previous experience with R or statistics is required, though having knowledge of both will enrich your experience.

This book is a complete guide to the operation of the Nikon Coolpix P1000 digital camera. The book explains all shooting modes, menus, functions, and controls of this superzoom camera, illustrated by more than 300 full-color images. The guide shows beginning and intermediate photographers how to get excellent results using the many features of the P1000. The book explains topics such as autofocus, manual focus, HDR (High Dynamic Range) photography, ISO sensitivity, memory cards, and flash modes. It discusses techniques for using the P1000's phenomenal zoom lens, with a maximum optical focal length of 3000mm, to full advantage. The book also explains the camera's features for remote control and image transfer using a smartphone or tablet with the P1000's built-in Wi-Fi and Bluetooth capabilities, as well as the camera's features for adding location data to images. The book includes sample photos taken with the creative options of the camera, including the Picture Control settings, which alter color processing of images; the Bird-watching, Moon, Creative, and Scene shooting modes, with settings optimized for subjects such as landscapes, pets, sunsets, and action shots; and the Coolpix P1000's features for burst shooting and time-lapse photography. In addition, the book provides introductions to topics such as street photography, infrared photography, and macro photography. The book also explains the video features of the P1000, which can shoot 4K video and can record high-speed video sequences at speeds up to four times greater than normal, resulting in slow-motion footage when played back. In addition, the book describes procedures for using the Filter Effects option to add special effects to images after they have been captured. In its three appendices, the book discusses accessories for the Coolpix P1000, including external flash units, microphones, remote control

devices, cases, and charging and power options. The appendices also include a list of useful web sites and other references, as well as a section with “quick tips” to help users take advantage of the camera’s features in the most efficient ways possible. This guide book to the P1000 camera includes a detailed Table of Contents and Index.

A compiler translates a program written in a high level language into a program written in a lower level language. For students of computer science, building a compiler from scratch is a rite of passage: a challenging and fun project that offers insight into many different aspects of computer science, some deeply theoretical, and others highly practical. This book offers a one semester introduction into compiler construction, enabling the reader to build a simple compiler that accepts a C-like language and translates it into working X86 or ARM assembly language. It is most suitable for undergraduate students who have some experience programming in C, and have taken courses in data structures and computer architecture.

The Canon Camera Hackers Manual addresses "geeky" owners of Canon consumer cameras, such as the Powershot and IXUS, who would like to explore the possibilities of their cameras and tweak them to do things that go well beyond the camera's original specifications. -- Understand the core concepts and skills of multimedia production and digital storytelling using text, graphics, photographs, sound, motion, and video. Then, put it all together using the skills that you have developed for effective project planning, collaboration, design, and production. Presented in full color with hundreds of vibrant illustrations, Multimedia Foundations, Second Edition trains you in the principles and skill sets common to all forms of digital media production, enabling you to create successful, engaging content, no matter what tools you are using. The second edition has been fully updated and features a new chapter on video production and new sections on user-centered design, digital cinema standards (2K, 4K, and 8K video), and DSLR and video camcorder recording formats and device settings. The companion website, which features a wealth of web resources, glossary terms, and video tutorials, has also been updated with new content for both students and instructors.

The irradiance pattern was measured for the propagation of a collimated beam of light underwater. A neodymium-doubled green laser was transmitted horizontally at a six foot depth in Lake Winnepesaukee, N.H. The irradiance was measured at distances from 0 to 100 feet and for off-axis angles from 0 to 58 degrees. The water had an attenuation length of 4.54 ft/ln and an absorption coefficient of 0.0446 ln/ft. The ratio of attenuation coefficient to absorption coefficient was 4.94. The fractional power contained within a cone of various angles was computed. At 20 attenuation lengths only 10% of the total power is contained within a cone of 4 degrees whereas at 4 attenuation lengths this same cone contains 50% of the power. (Author).

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/canon6dfromsnapshotstogreatshots/](https://www.flickr.com/groups/canon6dfromsnapshotstogreatshots/).

The authors cover the essential elements of communication, including communication between individuals and groups, in organizations and through mass media and new technologies.

Skylum's Luminar AI is a great solution for both professional and amateur photographers who want to quickly create stunning photos. Luminar's advanced AI-based tools and templates eliminate hours of traditional editing tasks, whether you're applying automatic tone and color adjustments, replacing dreary skies with more dynamic ones, or retouching portraits to smooth skin, remove blemishes, and accentuate flattering facial features. For those who want to dig into editing, powerful tools give you full control over your RAW and JPEG images, including advanced features such as masking, dodging and burning, and cloning and stamping areas. Luminar AI also works as a plug-in for other applications, such as Adobe Photoshop, Lightroom Classic, and Apple Photos, allowing round-trip editing and seamless integration with workflows you may already have in place.

Luminar AI is deceptively deep, and in *The Photographer's Guide to Luminar AI*, photographer Jeff Carlson helps you discover Luminar AI's best features to take full advantage of the program for all your photography needs. From importing your images to editing, managing, and exporting your files, Jeff showcases the power, precision, and control of Luminar while teaching you to work quickly and efficiently. In this book, he walks you through real-world landscape and portrait edits, and covers every tool and feature with the goal of helping you understand how to make Luminar improve your images.

In this book you'll learn all about:

- **AI editing:** Luminar AI's many AI-based tools eliminate hours of traditional editing tasks. Improve overall tone and color using just one slider, and enhance a sky using another without building masks or layers. Realistically replace the entire sky in one step, even when objects like buildings or trees intrude. Luminar identifies people in photos, allowing you to smooth skin, sharpen eyes, brighten faces, and perform other portrait retouching tasks in minutes.
- **AI Templates** Luminar recommends templates based on the content of your photo, and has scores of other templates to apply quick fixes and stylish looks. Templates are also a powerful way to save your own editing adjustments, saving you time and ensuring consistent results across dozens or hundreds of photos.
- **Expert editing:** Take advantage of Luminar's many professional tools to bring out the best versions of your photos. Enhance the look using tone controls and curves, dodging and burning, and tools built for specific types of images, such as Landscape Enhancer, Atmosphere AI, Supercontrast, and Color Harmony. The Erase and Clone & Stamp tools make it easy to remove unexpected objects and glitches such as lens dust spots. Luminar's RAW editing engine includes real-time noise reduction and advanced color

processing and sharpening tools, all completely non-destructive and with the ability to step back through the history of edits.

- **Advanced editing:** Luminar AI's Local Masking tool is one of its secret weapons, which can be used to combine edits and effects. Most tools can also have their own masks, giving you control over where edits are applied within the image.
- **Creativity:** Open your imagination with Luminar's creative tools, which range from adding glow, texture, and dramatic looks to incorporating sunrays and objects into augmented skies. Learn how to use LUTs (Lookup Tables) in the Mood tool to bring the look of simulated film stocks and creative color grades to your work.
- **Luminar Library:** Organize and manage your photos in a central library where your source images can reside where you want them, whether that's on your hard disk, a network volume, or in local cloud services folders such as Dropbox or Google Drive for remote backup.
- **Luminar plug-ins:** If you already use other applications to organize your library or for photo editing, such as Adobe Photoshop or Lightroom Classic, Luminar AI also works as a plug-in that allows round-trip editing and seamless integration with the workflows you may already have in place.
- **Sharing images:** Whether you're printing your images or sharing them online, learn how to make your photos look their best no matter what output solution you need.

Revised and thoroughly updated, this practical guide to photographing people is better than ever! What is the color of skin? You may think you know, until you enter the world of digital photography and try to reproduce what you see. Differences in software, lighting, computer calibration—everything has an impact on color. And that's all before you get into differences between people in terms of skin types, ethnicities, age, gender, and more! Hollywood-based photo-illustrator Lee Varis guides you step-by-step through the maze. This new edition covers the very newest trends and techniques in photographing, lighting, and editing skin—and offers plenty of tips, examples, and valuable advice from the author's own professional experience in the field. Shows you how to digitally capture all skin types: male, female, young, old, different skin tones and ethnicities, with makeup or without, wrinkled, tattooed, and more Covers a wealth of topics in addition to photo editing, such as how to obtain model releases and compose shots, how to shoot groups, and how to create promotional headshots Incorporates the latest on working with Photoshop and Lightroom Showcases exceptional work from a variety of photographers and artists If you're photographing people, you'll want this valuable and unique guide on your shelf.

Feel the cold touch of death in this adventure for the world's greatest roleplaying game. Beneath the unyielding night sky, you stand before a towering glacier and recite an ancient rhyme, causing a crack to form in the great wall of ice. Beyond this yawning fissure, the Caves of Hunger await. And past this icy dungeon is a secret so old and terrifying that few dare speak of it. The mad wizards of the Arcane

Brotherhood long to possess that which the god of winter's wrath has so coldly preserved--as do you! What fantastic secrets and treasures are entombed in the sunless heart of the glacier, and what will their discovery mean for the denizens of Icewind Dale? Can you save Ten-Towns from the Frostmaiden's everlasting night? Brave the frozen North of Faerun in this Dungeons & Dragons adventure for characters level 1-12. Explore the frontier of Icewind Dale! Maps and guides will aid you on your journey through a land of isolation, paranoia, and deadly cold. Venture into the Ten Towns and other beloved D&D locations made famous by Drizzt Do'Urden and the Companions of the Hall. Encounter the hazards of a frozen wilderness. This book provides DMs with rules for running D&D adventures in icy tundras and wintery climes. Discover long-lost treasures, magic items, and long-forgotten spells in the icy depths of a truly unforgettable Dungeons & Dragons adventure.

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, Speedlitter's Handbook is an essential resource that teaches you how to craft the light you need for any type of shot you want.

Diabolical dangers await in this adventure for the world's greatest roleplaying game. Welcome to Baldur's Gate, a city of ambition and corruption. You've just started your adventuring career, but already find yourself embroiled in a plot that sprawls from the shadows of Baldur's Gate to the front lines of the planes-spanning Blood War! Do you have what it takes to turn infernal war machines and nefarious contracts against the archdevil Zariel and her diabolical hordes? And can you ever hope to find your way home safely when pitted against the infinite evils of the Nine Hells? • This heroic Dungeons & Dragons adventure book takes players from levels 1 to 13 as they journey through Baldur's Gate and into Avernus, the first layer of the Nine Hells. • Baldur's Gate is among the most iconic locations in fantasy culture. A mist-cloaked metropolis on the Sword Coast, it's a place of history and a home to heroes. • The book introduces the infernal war machines to fifth edition D&D—battle-ready vehicles, which you can customize as you blast off into the Blood War. • Dungeon Masters will entice their heroes with devils' deals, designed to lure adventurers with the ultimate temptations of power and treasure. • Created in 1974, D&D transformed gaming culture by blending traditional fantasy with miniatures and wargaming. Fifth edition D&D draws from every prior edition to create a universally compelling play experience

Meaningful Making 2 is a second volume of projects and strategies from the Columbia University FabLearn Fellows. This diverse group of leading K-12 educators teach in Fab Labs, makerspaces, classrooms, libraries, community centers, and museums--all with the goal of making learning more meaningful for every child. A learning revolution is in the making around the world. Enthusiastic educators are using the

new tools and technology of the maker movement to give children authentic learning experiences beyond textbooks and tests. The FabLearn Fellows work at the forefront of this movement in all corners of the globe. In this book, the FabLearn Fellows share all new inspirational lesson ideas, strategies, and recommended projects across a broad range of age levels. Illustrated with color photos of real student work, the Fellows take you on a tour of the future of learning, where children make sense of the world by making things that matter to them and their communities. To read this book is to rediscover learning as it could be and should be--a joyous, mindful exploration of the world, where the ultimate discovery is the potential of every child.

This book is renowned for being the book to own to understand lighting! This is better than all the other how to books on the market which just provide set examples for photographers to follow. Light Science and Magic provides photographers with a comprehensive theory of the nature and principles of light to allow individual photographers to use lighting to express their own creativity. It will show you in-depth how to light the most difficult subjects such as surfaces, metal, glass, liquids, extremes (black-on-black and white-on-white), and people. With more information specific for digital photographers, a brand new chapter on equipment, much more information on location lighting, and more on photographing people, you'll see why this is one of the only recommended books by [www.strobist.com](http://www.strobist.com).

"David Busch's Canon Powershot G12 Guide to Digital SLR Photography shows you how, when, and most importantly why, to use all the cool features, controls, and functions of the G12 to take great photographs of anything. Introductory chapters will help you get comfortable with the basics of your camera before you dive right into exploring creative ways to use selective focus, fine-tune exposure, and apply special effects"--Back cover.

This book is a complete guide to the Sony Cyber-shot DSC-RX10 IV camera. With this book, author Alexander S. White provides users of the RX10 IV 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 IV, 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, video, Wi-Fi, and special effects. The book covers all features of the RX10 IV that are new for this model, including its enhanced focusing system with phase detection autofocus; its ability to use a touch screen for focusing and enlarging images in some situations; and a variety of new or enhanced menu options. The book includes more than 500 color photographs that illustrate the camera's controls, display screens, and menus. The images include photographs taken using the RX10 IV's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and its Creative Style and Picture Effect menu options, with settings that alter the appearance of images. The book provides concise introductions to topics such as street photography and infrared photography, and explains how to use the camera's Wi-Fi and Bluetooth features to transfer images to a smartphone or tablet, to control the camera from such a device, and to add location information to images. The book includes a full discussion of the video features of the RX10 IV, which can shoot HD and 4K (ultra-HD) movies, with manual control of exposure and focus during recording. The book 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 describes steps for 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 IV, including cases, power sources, remote controls, microphones 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 IV includes a detailed index, so the reader can quickly locate information about any particular feature or aspect of the camera.

Shooting in the raw format gives digital photographers complete control over every aspect of image quality. The Digital Negative is devoted exclusively to the topic and shows you how to make the most of that control to extract the best-possible raw rendering of your digital negatives and to use Photoshop to achieve the highest quality in your images. In this update of his best-selling book, renowned photographer and author Jeff Schewe outlines a foolproof process for working with these digital negatives and presents his real-world expertise on optimizing raw images. You’ll learn hands-on techniques for exposing and shooting for raw image capture and developing a raw processing workflow, as well as Photoshop techniques for perfecting the master image, converting color to black and white, and processing for panoramic and HDR images. This second edition covers all the major updates and new features in Camera Raw, Lightroom, and Photoshop, such as GPU acceleration, Radial Filters, Pano Merge, and more. Get the best tone and color from your digital negatives. Use Lightroom and Camera Raw sharpening controls to maximize image quality. Produce stunning black and white images. Learn how to remove people from photos in Photoshop using Smart Objects and Layer Blending. Use HDR in Camera Raw and Lightroom. And much more! Visit the book’s companion website at [TheDigitalNegativeBook.com](http://TheDigitalNegativeBook.com) for sample images and more.

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.

An overview of the digital editing application for Mac OS X explains how to prepare film clips, work with timelines, and add transitions and special effects to tape and video clips.

From gear to editing, composition, lighting, settings, techniques and more, real estate photographer Nathan Cool provides a comprehensive guide for shooting high-quality interior real estate photography from start to finish. Learn how to not just take, but also "make" great real estate interior photos with an efficient workflow and cost-effective tools to speed up your shooting and editing processes. With over 70 color images showing real-world examples, screen shots and diagrams, you'll learn the principles that Nathan Cool and many other professional real estate photographers apply to their work. Far from being a dry academic tome, this book shows practical techniques that prove profitable for a real estate photography business. See how you can stand out from today's crowd of camera clickers and show clients you charge like a pro because you shoot like one.

Provides information on the features of iMovie '11, describing such topics as editing video and audio, adding effects, organizing a video library, making a music video, and posting finished films to YouTube and Facebook.

### **Learn how to take professional-quality photographs using the same tricks today's top photographers use (surprisingly, it's easier than you'd think)!**

This is a completely, totally updated version of the #1 best-selling digital photography book of all time! It's the award winning, worldwide smash hit, written by Scott Kelby, that's been translated into dozens of different languages.

Here's how Scott describes this book's brilliant premise: "If you and I were out on a shoot, and you asked me, 'Hey, how do I get this flower to be in focus, with the background out of focus?,' I wouldn't stand there and give you a photography lecture. In real life, I'd just say, 'Put on your zoom lens, set your f-stop to f/2.8, focus on the flower, and fire away.' That's what this book is all about: you and I out shooting where I answer questions, give you advice, and share the secrets I've learned just like I would with a friend—without all the technical explanations and techie photo speak."

This isn't a book of theory—full of confusing jargon and detailed concepts. This is a book on which button to push, which setting to use, and when to use it. With over 200 of the most closely guarded photographic "tricks of the trade," this book gets you shooting dramatically better-looking, sharper, more colorful, more professional-looking photos every time.



Each page covers a single concept that makes your photography better. Every time you turn the page, you'll learn another pro setting, tool, or trick to transform your work from snapshots into gallery prints. If you're tired of taking shots that look "okay," and if you're tired of looking in photography magazines and thinking, "Why don't my shots look like that?" then this is the book for you.

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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.

The "one-stop" reference for authors preparing manuscripts in biblical studies and related fields.

Canon Powershot G15 Ammonite Press

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.

The world's greatest migration of animal life occurs every evening when uncountable numbers of mostly small marine organisms rise up from the dark, chilly depths of the open ocean to its surface waters. The people who witness this nighttime migration are blackwater divers—brave divers who throw themselves off a boat in the dark of night in open ocean waters that are, for all practical purposes, bottomless. The animals that we encounter range in size from baby squids smaller than a pinky nail to forty-foot long jellyfish called siphonophores. Kona is the birthplace and world headquarters for blackwater diving. Its proximity to deep water and favorable ocean conditions make Hawai'i the perfect place for blackwater diving, but divers can also visit places such as Florida, the Philippines, Indonesia, and even Papua New Guinea to see many similar animals. Blackwater Diving in Hawai'i is designed to satisfy the curious ocean aficionado by presenting beautiful photos and information on over 300 strange pelagic animals, most of which you won't find in a standard field guide to reef animals. This book is intended to present an overview of life in the open ocean at night. Each epipelagic creature is given five minutes in the spotlight to explore a little of what we know about them.

- 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

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](https://www.flickr.com/groups/eosmfromsnapshotstogreatshots).

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\\_greatshots](http://flickr.com/groups/canon_g12_from_snapshots_to_greatshots). 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.

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.

For anyone who has ever used an iPhone or iPad, you know there is a powerful video camera inside that can shoot phenomenal HD video and is incredibly easy to use . But simply shooting video is only one step to visualizing and digitizing your creative efforts. In iPad and iPhone Video, bestselling author Jeff Carlson shows you how to best harness the powers of these remarkable devices. Jeff explores all the steps to shooting great video in a variety of scenarios, from outdoor sunny arenas to dark concert venues. He'll explain everything you need to know about editing the results in order to tell your story better and to give polish with attention to color, light, audio, and more. Once you're happy with the results, he'll give you the step-by-step details for sharing the video via YouTube and Vimeo and give you best practices for keeping friends, family, and other audiences in the loop. With over 300 million iPads and iPhones sold, consumers around the world already own the most versatile filmmaking tool ever made... they just don't know it yet! This book will help them understand and unlock the potential packed into every one of these devices.

A guide to the Canon PowerShot G12 camera describes the camera's controls, exposure and focusing systems, custom settings, shooting, and setup menus, and discusses the flash and accessories available.

Currently we are at the beginnings of widespread wireless connectivity and ubiquitous computing. The Web is merging

with a variety of technologies: cell phones, laptop computers, hand held organisers, information appliances, and GPS and other sensors. The capability for access anytime and anywhere is here. The increasing frequency of cell phone calls at inappropriate times testifies that people no longer can easily control access. Devices can determine where they are located and can make a range of information available to users as well as make users available to others or their devices. We have proposed a general technique that promises to assist in mediating access. It capitalises on advantages afforded by computation (Hollan & Stometta, 1992). We first described the negotiation technique in the context of problems involved in scheduling meetings and then showed that similar issues, which at first may seem unrelated but in fact have much in common, arise in other contexts. One such activity, gaining immediate access, is currently of growing importance because of expanding connectivity via wireless technology. Cell phones and related technologies make it possible to be constantly available for synchronous interaction. At times, this can be advantageous but the associated costs and benefits result in a complex tradeoff space for designers as well as users.

With amazing low-light capabilities, incredible definition, intelligent autofocus and a host of other features, digital cameras have now become so powerful that they have left their users behind. Most photographers can take competent shots in a range of conditions, or fix imperfect exposures in Photoshop or Lightroom, but very few have the skill to push their cameras to the limit and capture the perfect shot, under all conditions, with no post-processing required. In Camera is the perfect way to take your photography to that level; to master your camera, understand light, exposure and composition, and make amazing photographs, whatever your camera, without cheating after the event. One hundred of Gordon's beautiful photos are given with his own expert commentary; full settings and camera details are included, and a host of tips and tricks let photographers of any level learn something from every example. The shots are taken with a wide range of cameras, and the emphasis is on getting results by improving your own skills, not wasting money on expensive equipment.

Functional magnetic resonance imaging (fMRI) has become the most popular method for imaging brain function. Handbook of Functional MRI Data Analysis provides a comprehensive and practical introduction to the methods used for fMRI data analysis. Using minimal jargon, this book explains the concepts behind processing fMRI data, focusing on the techniques that are most commonly used in the field. This book provides background about the methods employed by common data analysis packages including FSL, SPM and AFNI. Some of the newest cutting-edge techniques, including pattern classification analysis, connectivity modeling and resting state network analysis, are also discussed. Readers of this book, whether newcomers to the field or experienced researchers, will obtain a deep and effective knowledge of how to employ fMRI analysis to ask scientific questions and become more sophisticated users of fMRI analysis software.

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