

## Panasonic Gh1 User Manual English File Type

Shrinking pixel sizes along with improvements in image sensors, optics, and electronics have elevated DSCs to levels of performance that match, and have the potential to surpass, that of silver-halide film cameras. *Image Sensors and Signal Processing for Digital Still Cameras* captures the current state of DSC image acquisition and signal processing technology and takes an all-inclusive look at the field, from the history of DSCs to future possibilities. The first chapter outlines the evolution of DSCs, their basic structure, and their major application classes. The next few chapters discuss high-quality optics that meet the requirements of better image sensors, the basic functions and performance parameters of image sensors, and detailed discussions of both CCD and CMOS image sensors. The book then discusses how color theory affects the uses of DSCs, presents basic image processing and camera control algorithms and examples of advanced image processing algorithms, explores the architecture and required performance of signal processing engines, and explains how to evaluate image quality for each component described. The book closes with a look at future technologies and the challenges that must be overcome to realize them. With contributions from many active DSC experts, *Image Sensors and Image Processing for Digital Still Cameras* offers unparalleled real-world coverage and opens wide the door for future innovation.

Hank is a thug. He knows he's a thug. He has no problem with that realization. In his view the galaxy has given him a gift: a mutation that allows him to withstand great deals of physical trauma. He puts his abilities to the best use possible and that isn't by being a scientist. Besides, the space station Belvaille doesn't need scientists. It is not, generally, a thinking person's locale. It is the remotest habitation in the entire Colmarian Confederation. There is literally no reason to be there. Unless you are a criminal. Because of its location, Belvaille is populated with nothing but crooks. Every day is a series of power struggles between the crime bosses. Hank is an intrinsic part of this community as a premier gang negotiator. Not because he is eloquent or brilliant or an expert combatant, but because if you shoot him in the face he keeps on talking. Hank believes he has it pretty good until a beautiful and mysterious blue woman enters his life with a compelling job offer. Hank and Belvaille, so long out of public scrutiny, suddenly find themselves at the epicenter of the galaxy with a lot of very unwelcome attention.

A history of the Korean War with soldier's-eye views from both sides, by the Pulitzer Prize-winning author of *The Rising Sun* and *Infamy*. Pulitzer Prize-winning author John Toland reports on the Korean War in a revolutionary way in this thoroughly researched and riveting book. Toland pored over military archives and was the first person to gain access to previously undisclosed Chinese records, which allowed him to investigate Chairman Mao's direct involvement in the conflict. Toland supplements his captivating history with in-

depth interviews with more than two hundred American soldiers, as well as North Korean, South Korean, and Chinese combatants, plus dozens of poignant photographs, bringing those who fought to vivid life and honoring the memory of those lost. In *Mortal Combat* is comprehensive in its discussion of events deemed controversial, such as American brutality against Korean civilians and allegations of American use of biological warfare. Toland tells the dramatic account of the Korean War from start to finish, from the appalling experience of its POWs to Mao's prediction of MacArthur's Inchon invasion. Toland's account of the "forgotten war" is a must-read for any history aficionado.

This book, by Alexander S. White, is a complete guide to the operation of the Nikon Coolpix P950 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 P950. The book explains topics such as autofocus, manual focus, HDR (High Dynamic Range) photography, Raw files, ISO, memory cards, and flash modes. It discusses techniques for using the P950's phenomenal zoom lens, with a maximum optical focal length of 2000mm, to full advantage. The book also explains the camera's features for remote control and image transfer using a smartphone or tablet with the P950's built-in wireless networking capability. 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 Creative and Scene shooting modes, with settings optimized for subjects such as the moon, birds, landscapes, pets, sunsets, and action shots; and the Coolpix P950'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 P950, which can shoot 4K and HD video with stereo sound and can record high-speed video at speeds up to four times greater than normal. In addition, the book describes procedures for using the Filter Effects option to add special effects to images after they have been captured. In the appendices, the book discusses accessories for the Coolpix P950, including external flash units, remote controls, 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 P950 camera includes a detailed Table of Contents and Index.

- 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

Have you ever watched thought? Have you seen its character? What is its essence? Is there freedom from the limitations of thought? Where is thinking

most practical? In what situations can thought interfere with and complicate your life? These, and many more intriguing questions are pursued over three years of personal exchanges over a public internet forum on Personal Development. This is a stylized journal incorporating thoughts and comments on Life and the workings of the mind. The ideas came spontaneously and they evolved over many dialogues of varying contexts. The substance of this book is based on internet forum dialogues which revolved around the common group interest of Personal Development during the three years of 2009, 2011 and 2012. Personal Development was the opening for a much deeper exploration into the nature of thought. This exploration opens various channels of pursuit for spiritual growth and greater comprehension of what we are in essence.

"Drawing upon the archives of the George Eastman House Collection, 500 Cameras takes a unique approach to the fascinating story of photography. Tracing the medium's history through some of the most important equipment ever used by professionals and amateurs, this remarkable survey presents 500 cameras, all beautifully illustrated in spectacular images."--P. [2] of cover.

The latest supplement to the pianist's must-have reference The Piano Book, this comprehensive guide provides list prices for more than 4,000 currently manufactured acoustic and digital piano brands and models, as well as advice on how to estimate actual street prices to help negotiate the lowest possible price. Summarizing the essentials of The Piano Book, this new resource goes beyond the basics to offer extensive details on digital pianos and reveals all the information necessary to differentiate between a good deal and a great deal when buying a piano. Anyone in the market for a new or used piano—including teachers, technicians, students, and aficionados—can make a more informed purchase using this definitive guide. Updated twice a year with the most accurate information, the manual fully covers piano manufacturers, instrument models, prices, and current trends and conditions in the piano market.

Contains images and commentary by hundreds of international artists.

The whole world of photography is here presented in a single volume, allowing amateur and professional alike to develop their craft and get the perfect picture in any situation. Covering digital technology and techniques from a photographers perspective, the book will guide the reader through every aspect of photography: there are tips and techniques for studio and location shooting, plus advice on managing light and manipulating your original capture to obtain the best possible result. Mastering Digital Photography, first published in hardback in 2008, has established itself as one of the most successful popular references in the field. This new paperback, accessibly priced, is sure to bring Michael Freemans work to a new, and keen, audience of readers.

For fans of Sarah Dessen and Mary H.K. Choi, this lyrical and emotionally driven novel follows Alina, a young aspiring dancer who suffers a devastating injury and must face a world without ballet—as well as the darker side of her former dream. Alina Keeler was destined to dance, but then a terrifying fall shatters her leg—and

her dreams of a professional ballet career along with it. After a summer healing (translation: eating vast amounts of Cool Ranch Doritos and binging ballet videos on YouTube), she is forced to trade her pre-professional dance classes for normal high school, where she reluctantly joins the school musical. However, rehearsals offer more than she expected—namely Jude, her annoyingly attractive castmate she just might be falling for. But to move forward, Alina must make peace with her past and face the racism she experienced in the dance industry. She wonders what it means to yearn for ballet—something so beautiful, yet so broken. And as broken as she feels, can she ever open her heart to someone else? Touching, romantic, and peppered with humor, this debut novel explores the tenuousness of perfectionism, the possibilities of change, and the importance of raising your voice.

Presents an introduction to the features of the Panasonic Lumix DMC-G2 camera, covering such topics as setup menus, exposures, lenses, flash photography, and video.

With new color pictures and improved print quality, this book covers the early history of Hasselblad, from the very early cameras before the Hasselblad name was used on them, and camera numbers manufactured are also listed. It covers the huge amount of camera lenses and the many accessories made by Hasselblad, which are listed in this most exhaustive book on this famous manufacturer. The sales literature as well as instruction books have been catalogued with illustrations going right back to the early material, and some of the promotional items are illustrated and listed. Finally, a very comprehensive index both of the Hasselblad code numbers and item index, as well as a comprehensive bibliography are included. Tables showing all the lenses available over the years with starting and finishing manufacture numbers and dates. This book will appeal to the camera user as well as the enthusiast and collector as it is the complete reference to Hasselblad with virtually every item manufactured illustrated.

Still the number one resource for designers in the field, the Third Edition of this classic Handbook is extensively revised and updated to reflect the enormous recent advances in electronic filter design... while maintaining the overall emphasis on practi

Guide book for Nikon Coolpix B700 digital camera

The QRI-5 has long led the field in offering students and teachers alike a reliable and easy-to-use informal assessment instrument. This Fifth Edition continues to emphasize authentic assessment of children's reading abilities, from the most emergent readers to advanced readers. One of the keys to the success of the QRI-5 is that it contains narrative and expository passages at each pre-primer through high school level. All are self-contained selections highly representative of the structure and topic of materials found in basal readers and content-area textbooks. This new edition includes new narrative texts that are even easier than the pre-primer passages previously included. At the same time, it provides

graded word lists and numerous passages designed to assess the oral reading, silent reading, or listening comprehension of a student as well as questions to assess prior knowledge. Instructors can measure comprehension by retelling passages, using implicit and explicit questions, and using other devices. What's New in the QRI-5? # Narrative texts even easier than the pre-primer passages previously included, as well as another narrative to all primary grade levels. # Passages at pre-primer through second grade levels that are presented with and without pictures. # Map and illustrations as part of expository selections at fourth through high school levels. # Accompanying DVD content has been expanded to include \* Examples of students reading orally \* Scored protocols to accompany readings \* Directions for administering each segment of the QRI \* Tables/Charts that increase consistency of administration, scoring, and interpretation \* All student and examiner copies

\*\*\*This is the third book in the bestselling Bad Rep series. But it can be read as a standalone!\*\*\* Cole Brandt was the self-centered and philandering lead singer for Generation Rejects Vivian Baily was a flaky, attention seeking drama queen. Apart they were challenging...together they were complete and total chaos. Cole and Vivian were two people who should never have been together. Yet they crashed into each other at every turn. Their relationship was anything but stable. But it was passionate. It was messy. It was hopelessly seductive. And it might possibly drive them both insane. They fought. They made up. They screamed. They made love. They hated and they loved in equal measure. And now that Generation Rejects are starting to hit it big and the band is on the road, temptation and massive egos could very well spell the end of their roller coaster. If only they could stay away from each other. But Vivian has finally reached her breaking point. Tired of their endless cycle, she is ready to say goodbye to Cole for good. Yet Cole isn't one to go away quietly. Particularly when he is starting to realize exactly what he stands to lose if Vivian walks away. As his world begins to turn upside down, Cole realizes that the one person who can hold him together is the girl who may no longer want him. Love can be a comedy of errors, particularly for two people who never seem to get the timing right. And In the crazy world of rock and roll, the hardest lessons to learn just might be the ones with the sweetest rewards.

Large sensor video cameras (DSLRs) offer filmmakers an affordable, high-quality image previously impossible without high-end cinema cameras. These video-capable DSLR cameras have revolutionized filmmaking, documentary production, journalism, television, and even Hollywood cinema. This book empowers the filmmaker to craft visually stunning images inexpensively. DSLR Cinema presents insight into different shooting styles and real-world tips and techniques indispensable to any DSLR filmmaker. This updated and expanded edition includes new workflows for Adobe Premier and Final Cut X-from syncing external audio settings to using the right settings. It also covers the workflow for using Technicolor's picture style, CineStyle, designed on consultation with Canon

scientists. DSLR Cinema features case studies of an international cast of cutting edge DSLR shooters, including Philip Bloom, Shane Hurlbut, Bernardo Uzeda, Rii Schroer, Danfun Dennis, and many more. The films are examined in detail, exploring how each exemplifies great storytelling, exceptional visual character, and how you can push the limits of your DSLR.

The 22 project-based lessons in this book show readers step-by-step the key techniques for working in Premiere Pro CS5. Readers learn the basics on things like using audio, creating transitions, producing titles, and adding effects. Once they have the basics down, they'll learn how to take their projects further by sweetening and mixing sound, compositing the footage, adjusting color, authoring DVDs, and much more--

Take your best shots with this invaluable guide to composition for DSLR cameras. Sometimes you get the best results by breaking the rules, but first you have to know what the rules are! In this indispensable photography guide, renowned photographer Harold Davis first walks you through the recommended guidelines for composing great shots with your DSLR camera--and then shows you how to break free, build your own unique style, and compose beautiful images with confidence. Provides practical composition basics as well as the artistic tips and tricks eagerly sought by digital SLR camera lovers, who are growing in number as DSLR camera sales continue to grow. Explores the fundamental rules of composition--then how to break those rules to take captivating and unique images. Informs and inspires you with the author's own gorgeous examples of landscapes, portraits, close-ups, and other photos that illustrate his concepts. Helps you jump-start your creativity by showing you new ways to see. Go beyond the basics and create a photography style that's all your own with this must-have guide.

Crustaceans—familiar to the average person as shrimp, lobsters, crabs, krill, barnacles, and their many relatives—are easily one of the most important and diverse groups of marine life. Poorly understood, they are among the most numerous invertebrates on earth. Most crustaceans start life as eggs and move through a variety of morphological phases prior to maturity. In *Atlas of Crustacean Larvae*, more than 45 of the world's leading crustacean researchers explain and illustrate the beauty and complexity of the many larval life stages. Revealing shapes that are reminiscent of aliens from other worlds—often with bizarre modifications for a planktonic life or for parasitization, including (in some cases) bulging eyes, enormous spines, and aids for flotation and swimming—the abundant illustrations and photographs show the detail of each morphological stage and allow for quick comparisons. The diversity is immediately apparent in the illustrations: spikes that deter predators occur on some larvae, while others bear unique specializations not seen elsewhere, and still others appear as miniature versions of the adults. Small differences in anatomy are shown to be suited to the behaviors and survival mechanisms of each species. Destined to become a key reference for specialists and students and a treasured book for

anyone who wishes to understand "the invertebrate backbone of marine ecosystems," *Atlas of Crustacean Larvae* belongs on the shelf of every serious marine biologist.

From a delivery boy to one of the most important industrialists in American history, George Eastman's career developed in a particularly American way. The founder of Kodak died in 1932, and left his house to the University of Rochester. Since 1949 the site has operated as an international museum of photography and film, and today holds the largest collection of its kind in the world. The continually expanding photography collection contains over 400,000 images and negatives - among them the work of Alfred Stieglitz, Edward Steichen, Ansel Adams and others - as well as 23,000 cinema films, five million film stills, one of the most important silent film collections, technical equipment and a library with 40,000 books on photography and film. The George Eastman House is a pilgrimage site and a place of worship for researchers, photographers and collectors from all over the world. This volume shows in chronological order the most impressive images and the most important developments in the art of light that is photography. It provides in its huge collection and themes a unique survey of the medium from its origins until now.

Creative professionals seeking the fastest, easiest, most comprehensive way to learn Adobe Premiere Pro choose *Adobe Premiere Pro Classroom in a Book* (2020 release) from Adobe Press. The 17 project-based lessons in this book show students step-by-step the key techniques for working in Premiere Pro. Students learn skills to take a project from beginning to end, including the basics on things like organizing media, using audio, creating transitions, producing titles, and adding effects. Once they have the basics down, they'll learn how to take their projects further by sweetening and mixing audio, compositing layered footage, adjusting color, customizing motion graphics, exporting files, and much more. The companion DVD (also available as an online download) includes lesson files so students can work step-by-step along with the book. All buyers of the book also get full access to the Web Edition: a Web-based version of the complete eBook enhanced with video and multiple-choice quizzes.

Cody Lawson had always been the guy who was there for everyone else. In the third and final round of the series, he just might need some help from members of The Block instead. No one knew he had a life outside of being Van's best friend and an integral member of the Divehouse, but now, Cody may be facing a match of the personal kind. A mysterious foe has made his presence known. Cody has never been one to have enemies, but this one wreaks havoc and leaves a mark, seeming to have come from nowhere. While members of The Block try to unravel a new crime, Cody is also forced to deal with a previous relationship he knows may never be resolved. But no matter the outcome, a new love in his life will be taking a front seat. If the stakes aren't high enough, the past has a way of hitting when you least expect it. Murder and corruption still have a foot in the door, and just when the dust seems to settle, new secrets find a way out. Is everything

connected, or is there something else going on? More importantly, is the person with the answers willing to put it all out there?The trilogy has come to an end, and the riveting conclusion is about to unfold in... The Fighter's Block 3

Provides information and examples on the equipment and techniques of macro and close-up photography.

The Complete Guide to Macro and Close-Up Photography is a comprehensive handbook on macro and close-up photography, offering both ambitious beginners and veteran photographers all the information they need to create great macro photographs. Experienced photographer and author Cyrill Harnischmacher covers: Explanations of all the concepts behind close-up and macro photography Equipment, including camera systems, macro lenses, close-up lenses, extension tubes, and reversing rings Shooting techniques such as high-speed photography using photoelectric sensors, light painting, focus stacking to extend depth of field, panoramic and infrared macros, extended contrast with HDR technology, and multiple exposures Tackling subject matter both in the field and in the studio Working creatively with ambient and artificial light Countless hands-on shooting tips Post-processing your macro images The book also offers insights about macro photo composition, discussing light, color, camera position, and focus. With more than 600 images and figures illustrating the various ways readers can document the world of the infinitesimal, this book is not only a technical guide, but also a source of inspiration giving readers ideas to run with and make their own. Finally, the book also includes do-it-yourself projects, offering solutions both for everyday shooting as well as for dealing with specific situations unique to macro photography.

A colour illustrated version of the user's manual for the Panasonic Lumix FZ80 and FZ82 camera covering both the basic camera set up in the full auto (intelligent auto) and all the other, semi-automatic and manual modes. Plenty of illustrations and examples of the effects of the control settings and extensive background information on the image taking process with this camera. Advice on how to take pictures in any situation and practical advice for recording video and audio with this camera from lighting and external audio recorder and microphone choice. Practical hints and tips for advancing your photography with access to more tutorials and web-based information.

Pursue your photography passion. See the world. Professional photographer Nick Onken leads you on a global adventure in this behind-the-scenes guide to the new generation of travel photography. Get an insider's guide on every step of the journey: > Break into the travel photography industry > Prepare for a successful trip > Shoot great pictures on location > Build your business and brand Photo Trekking shows you how to hit the ground running, shoot from the heart, and get inspired by your surroundings, wherever your travels take you. DSLR CinemaCrafting the Film Look with Large Sensor VideoTaylor & Francis The Panasonic Lumix DMC-GH2: The Unofficial Quintessential Guide provides a wealth of information and professional insights for owners of this powerful HD

camera. With its electronic viewfinder and interchangeable lenses, the GH2 is capable of not only recording professional-quality still images, but has the added ability to record HD video as well. The mirrorless design enhances the camera's versatility beyond that of most digital single lens reflex (DSLR) cameras. With the appropriate adapters, it can use virtually any manufacturer's manual focus, legacy lens. It is smaller than a typical DSLR in both size and weight, and retains automatic focusing while recording videos capability that is missing in many DSLR cameras. With the GH2, Panasonic has significantly expanded the video capabilities beyond those of previous models. Among the improvements is the ability to adjust the frame rate and shutter speed when filming video, giving users greater control over the movie-making process. In this guide, authors Brian Matsumoto and Carol F. Roullard explore and explain the features and capabilities of the GH2 camera in detail, as they cover everything from the basic features of the camera to numerous advanced photographic applications. The informative text is illustrated with example images throughout. Readers will learn how to: Control the most basic camera functions-focus and exposure Navigate the camera's menu system Achieve a range of artistic effects using various camera settings Use the camera's automated controls, and override those controls to obtain better exposure Use the GH2 in its video mode to obtain HD videos Post-process images and videos on a computer Expand the camera's use by mounting it on a telescope or microscope And much more...

A complete and thorough DIY repair manual for Exakta VX and VXIIa cameras. The step-by-step instructions combined with excellent photograph allow a high rate of success. Much of the information specific to these models has never been published!

In a sleepy, secluded Alaska town called Barrow, the sun sets and doesn't rise for more than thirty consecutive days and nights from November to December. During this time a few years ago, from the darkness and across the frozen wasteland, an evil that normally preferred to exist in the shadows descended upon Barrow and brought the residents to their knees. Barrow's only hope was Eben and Stella Olemaun, a husband-and-wife law enforcement team who were torn between their own survival and saving the town they loved. Months later, as Stella Olemaun attempts to warn the world about the looming vampire threat by any means necessary, a rogue government agent may be taking more than an active interest in her story. And meanwhile, further north, a new sheriff and his young son must solve the lingering mystery of Barrow, even as the survivors of the original attack prepare for the sun to set once again -- however this time, they're ready. *30 Days Of Night: Rumors Of The Undead* is Steve Niles's innovative and eagerly anticipated expansion of a nightmarish narrative that explores the nature of ancient evil existing -- and thriving -- in an unsuspecting modern world.

From flashlights and top-of-the-line studio electronic flashes to light stands and battery/inverter packs, this all-encompassing survey evaluates the vast array of lighting

and equipment options available to professional photographers. Beginning with a basic history of the role of lighting equipment and the interplay between advances in capture and lighting technologies, the emphasis then shifts to advances made within the past five years that have enabled photographers to consider more low-powered and cost effective options than ever before. In addition to identifying the wide range of gear currently on the market—as well as those photographers may devise on their own—this reference examines the pros and cons of the various technologies and provides suggestions for their most practical use. Photographs of the equipment surveyed as well as real-life images created with the different pieces of equipment are interspersed throughout the text. Other helpful hints include tips for maximizing versatility, investment in each piece of equipment, and a “Top-Ten Must-Have List.”

**Born to Love - Taught to Loathe** In this powerful and controversial debut book, acclaimed blogger turned author, Baye McNeil (a.k.a. Loco), vividly illustrates with unflinching introspection and candor the birth and evolution of a racist and in doing so makes the persuasive argument that the only way to cure this social virus is by first engaging one's own susceptibility. Loco takes us on a scintillating journey from the streets of Brooklyn, where a child's first playground was the front lines of the Pan-African Nationalist and Black Power movements of the 70s, to a period of black militancy, military service, interracial romance and corporate bigotry in the 80s and 90s. Following the earth-shattering events of 9/11/2001, Loco journeys to Japan where he learns the hard way why the old adage: you can't hide from yourself, has hung around so long. He finds the woman he was born to love; only she's a member of a race he has come to loathe! In the name of this love, Loco confronts his dark stowaway with deep roots even as the world is literally falling apart around him, in the form of the Tohoku disaster of 3/11/2011. A book that is both a memoir and an impassioned call to arms, **Hi! My Name is Loco and I am a Racist** tells us in no uncertain terms that while racism continues to be demonized as a dark aberration that only "evil people," ignorant fools, or people lacking compassion and common decency are subject to, then it will remain at large - hiding in plain sight, in our schools, offices, carpools, living rooms and sometimes even in the mirror.

The second edition of this successful machine vision textbook is completely updated, revised and expanded by 35% to reflect the developments of recent years in the fields of image acquisition, machine vision algorithms and applications. The new content includes, but is not limited to, a discussion of new camera and image acquisition interfaces, 3D sensors and technologies, 3D reconstruction, 3D object recognition and state-of-the-art classification algorithms. The authors retain their balanced approach with sufficient coverage of the theory and a strong focus on applications. All examples are based on the latest version of the machine vision software HALCON 13.

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.

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