

D1 Resolution Vs Megapixel

Publish!The British Journal of PhotographyPC WorldTechTV's Technology Survival GuidePC MagazineMacworldHow to Do Everything with Your Digital CameraAmerican PhotoDigital Photography for the Oral and Maxillofacial SurgeonThe Victorian NaturalistJournal of the California Dental AssociationFortuneBedford's Tech EdgImage Processing Using FPGAsSecurityIntelligent Network VideoCourse NotesThe Value Line Investment SurveyDigital Video Surveillance and SecurityIntelligent Network VideoAmerican PhotoCanadian BusinessArtbyteCCNA Collaboration CIVND 210-065 Official Cert GuideForbes ASAP.American PhotoPC/ComputingPopular PhotographyPliocene Hominid Postcranial Fossils from the Middle Awash, EthiopiaStatistical Learning with SparsityComplete Guide to Digital CamerasEasy Digital PhotographyGlobal Sources ElectronicsBritish Journal of PhotographyAmerican PhotoMac Design MagazineThe Implementation of Digital Photography in Law Enforcement and GovernmentAsian Sources Electronics101 Spy Gadgets for the Evil Genius 2/EFourier Ptychographic Imaging

Publish!

Discover New Methods for Dealing with High-Dimensional Data A sparse statistical model has only a small number of nonzero parameters or weights; therefore, it is much easier to estimate and interpret than a dense model. Statistical Learning with Sparsity: The Lasso and Generalizations presents methods that exploit sparsity to help recover the underlying signal in a set of data. Top experts in this rapidly evolving field, the authors describe the lasso for linear regression and a simple coordinate descent algorithm for its computation. They discuss the application of l1 penalties to generalized linear models and support vector machines, cover generalized penalties such as the elastic net and group lasso, and review numerical methods for optimization. They also present statistical inference methods for fitted (lasso) models, including the bootstrap, Bayesian methods, and recently developed approaches. In addition, the book examines matrix decomposition, sparse multivariate analysis, graphical models, and compressed sensing. It concludes with a survey of theoretical results for the lasso. In this age of big data, the number of features measured on a person or object can be large and might be larger than the number of observations. This book shows how the sparsity assumption allows us to tackle these problems and extract useful and reproducible patterns from big datasets. Data analysts, computer scientists, and theorists will appreciate this thorough and up-to-date treatment of sparse statistical modeling.

The British Journal of Photography

PC World

TechTV's Technology Survival Guide

PC Magazine

This book presents a selection of papers representing current research on using field programmable gate arrays (FPGAs) for realising image processing algorithms. These papers are reprints of papers selected for a Special Issue of the Journal of Imaging on image processing using FPGAs. A diverse range of topics is covered, including parallel soft processors, memory management, image filters, segmentation, clustering, image analysis, and image compression. Applications include traffic sign recognition for autonomous driving, cell detection for histopathology, and video compression. Collectively, they represent the current state-of-the-art on image processing using FPGAs.

Macworld

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Cisco TelePresence management Cisco WebEx solutions

How to Do Everything with Your Digital Camera

American Photo

Digital Photography for the Oral and Maxillofacial Surgeon

This book demonstrates the concept of Fourier ptychography, a new imaging technique that bypasses the resolution limit of the employed optics. In particular, it transforms the general challenge of high-throughput, high-resolution imaging from one that is coupled to the physical limitations of the optics to one that is solvable through computation. Demonstrated in a tutorial form and providing many MATLAB® simulation examples for the reader, it also discusses the experimental implementation and recent developments of Fourier ptychography. This book will be of interest to researchers and engineers learning simulation techniques for Fourier optics and the Fourier ptychography concept.

The Victorian Naturalist

Journal of the California Dental Association

Offering ready access to the security industry's cutting-edge digital future, Intelligent Network Video provides the first complete reference for all those involved with developing, implementing, and maintaining the latest surveillance systems. Pioneering expert Fredrik Nilsson explains how IP-based video surveillance systems provide better image quality, and a more scalable and flexible system at lower cost. A complete and practical reference for all those in the field, this volume: Describes all components relevant to modern IP video surveillance systems Provides in-depth information about image, audio, networking, and compression technologies Discusses intelligent video architectures and applications Offers a comprehensive checklist for those designing a network video system, as well as a systems design tool on DVD Nilsson guides readers through a well-organized tour of the building blocks of modern video surveillance systems, including network cameras, video encoders, storage, servers, sensors, and video management. From there, he explains intelligent video, looking at the architectures and typical applications associated with this exciting technology. Taking a hands-on approach that meets the needs of those working in the industry, this timely volume, illustrated with more than 300 color photos, supplies readers with a deeper understanding of how surveillance technology has developed and, through application, demonstrates why its future is all about intelligent network video.

Fortune

Bedford's Tech Edge

Image Processing Using FPGAs

Security

Intelligent Network Video

Course Notes

The Value Line Investment Survey

Learn about today's (and tomorrow's) digital imaging technology, image software, digital cameras and scanners in this newly revised edition. Do more with your photos that you ever thought possible by learning how to repair, enhance, add special effects and other tasks previously confined to the darkroom.

Digital Video Surveillance and Security

Provides advice on buying a new personal computer, using Linux, and choosing a mobile device, and discusses computer facts, trends, technical processes, and recent developments.

Intelligent Network Video

American Photo

Canadian Business

Artbyte

CCNA Collaboration CIVND 210-065 Official Cert Guide

This fully updated bestseller will further entice electronic hobbyists to build high-tech devices and counteract some of the spy gadgets available on the market.

Forbes ASAP.

American Photo

PC/Computing

Popular Photography

Pliocene Hominid Postcranial Fossils from the Middle Awash, Ethiopia

Statistical Learning with Sparsity

Learn to set up and take high-quality photographs with your digital camera. This easy-to-follow guide explains how to enhance and improve existing images as well as print your photos and publish them on the Web for others to see. You'll also get coverage of related equipment including editing software, hardware add-ons, and online image management tools.

Complete Guide to Digital Cameras

Continuing in the tradition of the bestselling first edition, this book examines networked surveillance video solutions. It provides the latest details on industry hardware, software, and networking capabilities of the latest cameras and DVRs. It addresses in full detail updated specifications on MPEG-4 and other digital video formats, resolution advantages of analog v. digital, intelligent video capabilities, frame rate control, and indoor/outdoor installations factors. New chapters include cloud computing, standards, and thermal cameras.

Easy Digital Photography

Global Sources Electronics

This is a complete guide on how to effectively implement digital photography in the field of law enforcement and government. The introductory chapter describes the features of the ideal digital photography/videography work station. It also contains discussions of forensic video analysis, the digital mug photo, networking, and the ideal lap-top computer for digital photography/videography. A chapter on legal ramifications explains the chain of custody rule for the admission of evidence at court; this also applies to digital photography. A chapter on "implementation for long-term compatibility" provides guidelines for system purchase, the staffing of a digital photographic work station, and management responsibility. This is followed by a chapter that compares the cost benefits of digital photography with traditional photography. It advises that although the cost to produce an individual image could be more with digital photography than with traditional photography, the

courts, investigators, and business meetings are changing the way they view and present photographic images, such that digital photography is favored. The author advises the use of the best of both systems, while preparing for a totally digital photographic environment by setting up the necessary protocols for digital photography at the start of the conversion process. The next chapter discusses digital equipment suitable for photographic imaging use, with attention to platform, device interfaces, and RAM; digital cameras; flat bed linear scanners; 35 mm film scanners; storage devices; hard drives; compact disc; DVD; and other computer hardware and software. A chapter on video and surveillance addresses editing and editing software, as well as surveillance techniques. The concluding chapter provides a comparative analysis of photographic enhancement, alteration, and manipulation.

British Journal of Photography

The Complete Guide to Digital Cameras will appeal to anyone who has recently purchased or is considering an investment in a digital camera. Sections include: introduction to digital cameras, tips on use, available options, how to transfer images from camera to computer, image manipulation along with model comparisons and index of currently available cameras. Together the book and CD-ROM will answer questions you have about digital cameras, enable you to make intelligent buying decisions, and help you use your camera to its full potential. No camera purchase is complete without this informative guide.

American Photo

Mac Design Magazine

The Implementation of Digital Photography in Law Enforcement and Government

The use of digital surveillance technology is rapidly growing as it becomes significantly cheaper for live and remote monitoring. The second edition of Digital Video Surveillance and Security provides the most current and complete reference for security professionals and consultants as they plan, design, and implement surveillance systems to secure their places of business. By providing the necessary explanations of terms, concepts, and technological capabilities, this revised edition addresses the newest technologies and solutions available on the market today. With clear descriptions and detailed illustrations, Digital Video Surveillance and Security is the only book that shows the need for an overall understanding of the digital video surveillance (DVS) ecosystem. Highly visual with easy-to-read diagrams, schematics, tables, troubleshooting charts, and graphs Includes design and implementation case studies and best practices Uses vendor-neutral comparisons of the latest camera equipment and recording options

Asian Sources Electronics

101 Spy Gadgets for the Evil Genius 2/E

Fourier Ptychographic Imaging

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