



Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series)

Download now

[Click here](#) if your download doesn't start automatically

Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series)

Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series)

A Decade of Extraordinary Growth

The past decade has brought a surge of growth in the technologies for digital color imaging, multidimensional signal processing, and visual scene analysis. These advances have been crucial to developing new camera-driven applications and commercial products in digital photography. **Single-Sensor Imaging: Methods and Applications for Digital Cameras** embraces this extraordinary progress, comprehensively covering state-of-the-art systems, processing techniques, and emerging applications.

Experts Address Challenges and Trends

Single-Sensor Imaging: Methods and Applications for Digital Cameras presents leading experts elucidating their own accomplishments in developing the technologies reshaping this field. The editor invited renowned authorities to address specific research challenges and recent trends in their particular areas of expertise. The book discusses single-sensor digital color imaging fundamentals, including reusable embedded software platform, digital camera image processing chain, optical filter and color filter array designs. It also details the latest techniques and approaches in contemporary and traditional digital camera color image processing and analysis for various sophisticated applications, including:

- Demosaicking and color restoration
- White balancing and color transfer
- Color and exposure correction
- Image denoising and color enhancement
- Image compression and storage formats
- Red-eye detection and removal
- Image resizing
- Video-demosaicking and superresolution imaging
- Image and video stabilization

A Solid Foundation of Knowledge to Solve Problems

Single-Sensor Imaging: Methods and Applications for Digital Cameras builds a strong fundamental understanding of theory and methods for solving many of today's most interesting and challenging problems in digital color image and video acquisition, analysis, processing, and storage. A broad survey of the existing solutions and relevant literature makes this book a valuable resource both for researchers and those applying rapidly evolving digital camera technologies.

 [Download Single-Sensor Imaging: Methods and Applications fo ...pdf](#)

 [Read Online Single-Sensor Imaging: Methods and Applications ...pdf](#)

Download and Read Free Online Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series)

From reader reviews:

Bonnie Fernandez:

Book is written, printed, or illustrated for everything. You can realize everything you want by a guide. Book has a different type. As it is known to us that book is important thing to bring us around the world. Beside that you can your reading proficiency was fluently. A reserve Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) will make you to always be smarter. You can feel more confidence if you can know about almost everything. But some of you think that open or reading a new book make you bored. It's not make you fun. Why they may be thought like that? Have you in search of best book or suited book with you?

Edward Yung:

The book untitled Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) contain a lot of information on this. The writer explains the girl idea with easy means. The language is very easy to understand all the people, so do not necessarily worry, you can easy to read the item. The book was published by famous author. The author will take you in the new era of literary works. You can actually read this book because you can continue reading your smart phone, or program, so you can read the book with anywhere and anytime. In a situation you wish to purchase the e-book, you can open their official web-site along with order it. Have a nice examine.

Charles Holland:

Is it you actually who having spare time after that spend it whole day by means of watching television programs or just resting on the bed? Do you need something totally new? This Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) can be the answer, oh how comes? A fresh book you know. You are and so out of date, spending your spare time by reading in this brand new era is common not a nerd activity. So what these guides have than the others?

Christie Rich:

A number of people said that they feel uninterested when they reading a e-book. They are directly felt it when they get a half portions of the book. You can choose often the book Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) to make your own personal reading is interesting. Your skill of reading proficiency is developing when you such as reading. Try to choose very simple book to make you enjoy to read it and mingle the impression about book and studying especially. It is to be first opinion for you to like to open up a book and go through it. Beside that the publication Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) can to be your new friend when you're feel alone and confuse in what must you're doing of their time.

**Download and Read Online Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series)
#F5CUJ7K4ZD9**

Read Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) for online ebook

Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) books to read online.

Online Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) ebook PDF download

Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) Doc

Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) Mobipocket

Single-Sensor Imaging: Methods and Applications for Digital Cameras (Image Processing Series) EPub