



Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing)

A. Murat Tekalp

Download now

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

Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing)

A. Murat Tekalp

Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) A. Murat Tekalp

Over the years, thousands of engineering students and professionals relied on *Digital Video Processing* as the definitive, in-depth guide to digital image and video processing technology. Now, Dr. A. Murat Tekalp has completely revamped the first edition to reflect today's technologies, techniques, algorithms, and trends.

Digital Video Processing, Second Edition, reflects important advances in image processing, computer vision, and video compression, including new applications such as digital cinema, ultra-high-resolution video, and 3D video.

This edition offers rigorous, comprehensive, balanced, and quantitative coverage of image filtering, motion estimation, tracking, segmentation, video filtering, and compression. Now organized and presented as a true tutorial, it contains updated problem sets and new MATLAB projects in every chapter.

Coverage includes

- Multi-dimensional signals/systems: transforms, sampling, and lattice conversion
- Digital images and video: human vision, analog/digital video, and video quality
- Image filtering: gradient estimation, edge detection, scaling, multi-resolution representations, enhancement, de-noising, and restoration
- Motion estimation: image formation; motion models; differential, matching, optimization, and transform-domain methods; and 3D motion and shape estimation
- Video segmentation: color and motion segmentation, change detection, shot boundary detection, video matting, video tracking, and performance evaluation
- Multi-frame filtering: motion-compensated filtering, multi-frame standards conversion, multi-frame noise filtering, restoration, and super-resolution
- Image compression: lossless compression, JPEG, wavelets, and JPEG2000
- Video compression: early standards, ITU-T H.264/MPEG-4 AVC, HEVC, Scalable Video Compression, and stereo/multi-view approaches

 [Download Digital Video Processing \(2nd Edition\) \(Prentice H ...pdf](#)

 [Read Online Digital Video Processing \(2nd Edition\) \(Prentice ...pdf](#)

Download and Read Free Online Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) A. Murat Tekalp

From reader reviews:

Steven Huckins:

Book is to be different for each grade. Book for children until adult are different content. We all know that that book is very important for us. The book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) had been making you to know about other understanding and of course you can take more information. It is very advantages for you. The book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) is not only giving you considerably more new information but also being your friend when you experience bored. You can spend your current spend time to read your book. Try to make relationship together with the book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing). You never really feel lose out for everything if you read some books.

Shawn Proctor:

Often the book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) will bring you to definitely the new experience of reading some sort of book. The author style to clarify the idea is very unique. In case you try to find new book to see, this book very suitable to you. The book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) is much recommended to you to read. You can also get the e-book from official web site, so you can easier to read the book.

Ruth Davis:

Do you one of the book lovers? If so, do you ever feeling doubt when you find yourself in the book store? Try to pick one book that you just dont know the inside because don't ascertain book by its protect may doesn't work is difficult job because you are scared that the inside maybe not since fantastic as in the outside appearance likes. Maybe you answer may be Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) why because the wonderful cover that make you consider regarding the content will not disappoint a person. The inside or content is definitely fantastic as the outside or even cover. Your reading sixth sense will directly make suggestions to pick up this book.

Karina McDermott:

A lot of guide has printed but it is different. You can get it by world wide web on social media. You can choose the top book for you, science, comedian, novel, or whatever through searching from it. It is known as of book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing). You can include your knowledge by it. Without leaving the printed book, it might add your knowledge and make an individual happier to read. It is most significant that, you must aware about guide. It can bring you from one destination to other place.

**Download and Read Online Digital Video Processing (2nd Edition)
(Prentice Hall Signal Processing) A. Murat Tekalp
#ULKIA7S98WV**

Read Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp for online ebook

Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp 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 Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp books to read online.

Online Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp ebook PDF download

Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp Doc

Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp Mobipocket

Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) by A. Murat Tekalp EPub