



# 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:**

#### **Mary Edick:**

Why don't make it to become your habit? Right now, try to ready your time to do the important act, like looking for your favorite publication and reading a reserve. Beside you can solve your trouble; you can add your knowledge by the publication entitled Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing). Try to make the book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) as your good friend. It means that it can be your friend when you truly feel alone and beside that of course make you smarter than previously. Yeah, it is very fortunate for you. The book makes you more confidence because you can know almost everything by the book. So, let us make new experience as well as knowledge with this book.

#### **Shirley Daniels:**

With other case, little persons like to read book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing). You can choose the best book if you like reading a book. Providing we know about how is important some sort of book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing). You can add information and of course you can around the world by way of a book. Absolutely right, simply because from book you can realize everything! From your country until foreign or abroad you can be known. About simple factor until wonderful thing it is possible to know that. In this era, we are able to open a book or maybe searching by internet gadget. It is called e-book. You should use it when you feel bored to go to the library. Let's go through.

#### **James Murray:**

Do you certainly one of people who can't read satisfying if the sentence chained within the straightway, hold on guys this particular aren't like that. This Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) book is readable by means of you who hate the perfect word style. You will find the info here are arrange for enjoyable reading experience without leaving possibly decrease the knowledge that want to provide to you. The writer of Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) content conveys prospect easily to understand by most people. The printed and e-book are not different in the articles but it just different as it. So, do you even now thinking Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) is not loveable to be your top record reading book?

#### **Taylor Becker:**

Typically the book Digital Video Processing (2nd Edition) (Prentice Hall Signal Processing) will bring that you the new experience of reading any book. The author style to explain the idea is very unique. If you try to find new book to see, this book very suited 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 in the official web site, so you can quickly to read the book.

**Download and Read Online Digital Video Processing (2nd Edition)  
(Prentice Hall Signal Processing) A. Murat Tekalp #J3A7ELK6PCT**

## **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**