

The Essential Guide to Video Processing

By Alan C. Bovik

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This comprehensive and state-of-the art approach to video processing gives engineers and students a comprehensive introduction and includes full coverage of key applications: wireless video, video networks, video indexing and retrieval and use of video in speech processing. Containing all the essential methods in video processing alongside the latest standards, it is a complete resource for the professional engineer, researcher and graduate student.

- Numerous conceptual and numerical examples
- All the latest standards are thoroughly covered: MPEG-1, MPEG-2, MPEG-4, H.264 and AVC
- Coverage of the latest techniques in video security

"Like its sister volume "The Essential Guide to Image Processing," Professor Bovik's Essential Guide to Video Processing provides a timely and comprehensive survey, with contributions from leading researchers in the area. Highly recommended for everyone with an interest in this fascinating and fast-moving field." ?Prof. Bernd Girod, Stanford University, USA

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Editorial Review

About the Author
Al Bovik is the General Dynamics Endowed Fellow and Professor in the Department of Electrical and Computer Engineering at the University of Texas at Austin, where he is the Associate Director of the Center for Vision and Image Sciences. He has published nearly 300 techincal articles in the general area of image and video processing and holds two U.S. patents. Dr. Bovik is a recipient of the IEEE Signal Processing Society Meritorious Service Award (1998), and is a two-time Honorable Mention winner of the international Pattern Recognition Society Award. He is a fellow of the IEEE, is the Editor-in-Chief of the *IEEE Transactions on Image Processing*, serves on many other boards and panels, and was the Founding General Chairman of the IEEE International Conference on Image Processing, which was first held in Austin, Texas in 1994.

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