

Digital Video Compression (with CD-ROM)

By Peter Symes

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This CD-ROM with algorithms, encoders, and practice clips is your one-stop guide to the art and science of digital video compression! Without video compression, video streaming - one of the Internet's great innovations - would be nothing more than a pipe dream. That's why if digitizing video imagery is part of your work or hobby, here's an info-packed volume you need handy at all times: McGraw-Hill's "Digital Video Compression." Written by a renowned expert in digital technology, "Digital Video Compression" offers comprehensive coverage on a vast range of digital media technologies and standards. It delivers everything you need to understand the techniques, tricks, and confusing protocols of compression, as well as: fundamentals of compression; MPEG-2 and MPEG-4 compression standards; JVT / H.264 / MPEG-4 Part 10 - learn the details of the just-released compression standard; and much more!Plus, you get an invaluable CD-ROM of compression tools, encoders, and video clips for practice. With "Digital Video Compression", you're sure to stay out in front of this exploding technology! The book covers: What Is Compression? An Introduction to Images; Entropy Coding; Protective Coding; Transforms; Quantization; JPEG; Motion Compensation; MPEG-1; MPEG-2; MPEG-4; JVT / H.264 / MPEG-4 Part 10; MPEG-7 and MPEG-21; Pro-MPEG and MPEG Operating Ranges; DV Compression; Wavelets; JPEG2000; Audio Compression; and Streaming Media.

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Editorial Review

From the Back Cover
CD-ROM WITH ALGORITHMS, ENCODERS, AND PRACTICE CLIPS

YOUR ONE-STOP GUIDE TO THE ART AND SCIENCE OF DIGITAL VIDEO COMPRESSION!

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* MPEG-2 and MPEG-4 compression standards
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* And much more!

Plus, you get an invaluable CD-ROM of compression tools, encoders, and video clips for practice. With *Digital Video Compression,* you're sure to stay out in front of this exploding technology!

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About the Author
Peter D. Symes is Manager, Advanced Technology at Thomson Broadcast & Media Solutions. He is an SMPTE Fellow, a Senior Member of the IEEE, and the author of *Video Compression* and *Video Compression Demystified* (both published by McGraw-Hill). He is currently serving as Engineering Vice President for SMPTE.

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