



# Video Codec Design: Developing Image and Video Compression Systems

*By Iain Richardson*

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Video compression coding is the enabling technology behind a new wave of communication applications. From streaming internet video to broadcast digital television and digital cinema, the video codec is a key building block for a host of new multimedia applications and services. Video Codec Design sets out to demystify the subject of video coding and present a practical, design-based approach to this emerging field.

Featuring:

- \* Guidance on the practical design and implementation of video coding technology.
  - \* Explanation of the major video coding standards, including MPEG-2, MPEG-4, H.263 and H.26L.
  - \* Detailed coverage of key video coding techniques and core algorithms.
  - \* Examination of critical design issues including transmission, Quality of Service and processing platforms.
  - \* A wealth of illustrations and practical examples, including quantitative comparisons of design alternatives.
- Video Codec Design provides communications engineers, system designers, researchers and technical managers with an essential handbook to image and video compression technology. The clear presentation and emphasis on real-life examples make this book an excellent teaching tool for computer science and electronic engineering instructors.

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#### **Review**

This book deserves to be in every university library and it would be excellent as a course text. Also, if you have even a passing understanding of signal processing and want to know more, it's a great read--VISUAL SYSTEMS JOURNAL, JUNE 2002

#### **From the Back Cover**

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