



# Digital CCTV: A Security Professional's Guide

By Emily M. Harwood

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## Digital CCTV: A Security Professional's Guide By Emily M. Harwood

The effects of digital technology on the security industry require constant vigilance by security distributors, sales staff, and installation professionals. Today and for the foreseeable future, all security professionals must have at least a basic understanding of digital technology. *Digital CCTV* addresses this new challenge.

Topics covered include compression variables such as Lossless and Lossy, which are explained by reviewing Huffman and Run Length Encoding (RLE), and by relating these forms of compression to ZIP and Stuffit, which are commonly used in personal computers. A review of JPEG, motion JPEG, MPEG and wavelet compression schemes among others, with a comparison of the merits of each, is also provided. As *Digital CCTV* traces the stream of digital video flow from the computer industry through compression, transmission, display and storage, and explains how analog video signal is converted into a digital signal, the reader will learn and understand the mysteries of digital science.

- \* Explains industry concepts, acronyms and buzzwords accurately and clearly
- \* Covers history, current complexities, and the future effects of digital science
- \* Provides practical information about how digital video works, how digital video is stored and transmitted, what digital systems can and cannot accomplish, and what to expect from digital video equipment in modern CCTV systems

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#### **About the Author**

Emily M. Harwood is a technical author and consultant. She is currently the owner of Amani Marketing and Business Consulting, providing seminar and exhibition coordination as well as business planning for companies within the security industry. The author of dozens of articles in such magazines as Security Management and Government Video, she previously worked for a security product manufacturer and has served as a technical editor for Security Technology and Design.

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