

Video Signal Compression and Standards: A Review (Paperback)



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Reviews

This book is very gripping and exciting. I was able to comprehend everything out of this written publication. You will not truly feel monotony at any time of your respective time (that's what catalogs are for concerning should you question me).
(Eulalia Schamberger)

VIDEO SIGNAL COMPRESSION AND STANDARDS: A REVIEW (PAPERBACK)



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Partridge India, United States, 2015. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Signal processing can be broadly defined as the application of analog or digital techniques to improve the utility of a data stream. Analog techniques are applied to a data stream embodied as a time-varying electrical signal. While in the digital domain, the data are represented as an array of numbers. A video signal is represented as a sequence of frames of pixels. There exists vast amount of redundant information that can be eliminated with video compression technology. So that its transmission and storage becomes more efficient. Video and image compression is a complex and extensive subject, and this book keeps an offered limited focus, concentrating on the standards themselves and on video coding concepts that directly underpin the standards. The leading contenders are the International Standards known as MPEG-4 Visual and H.264. H.264/AVC, the result of the collaboration between the ISO/IEC Moving Picture Experts Group and the ITU-T Video Coding Experts Group, is the latest standard for video coding. H.264/AVC provides gains in compression efficiency of up to 50 over a wide range of bit rates and video resolutions compared to previous standards. There is therefore a need to develop low complexity implementations of H.264/AVC that offer the performance and flexibility advantages of the standard without an excessive computational cost.



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