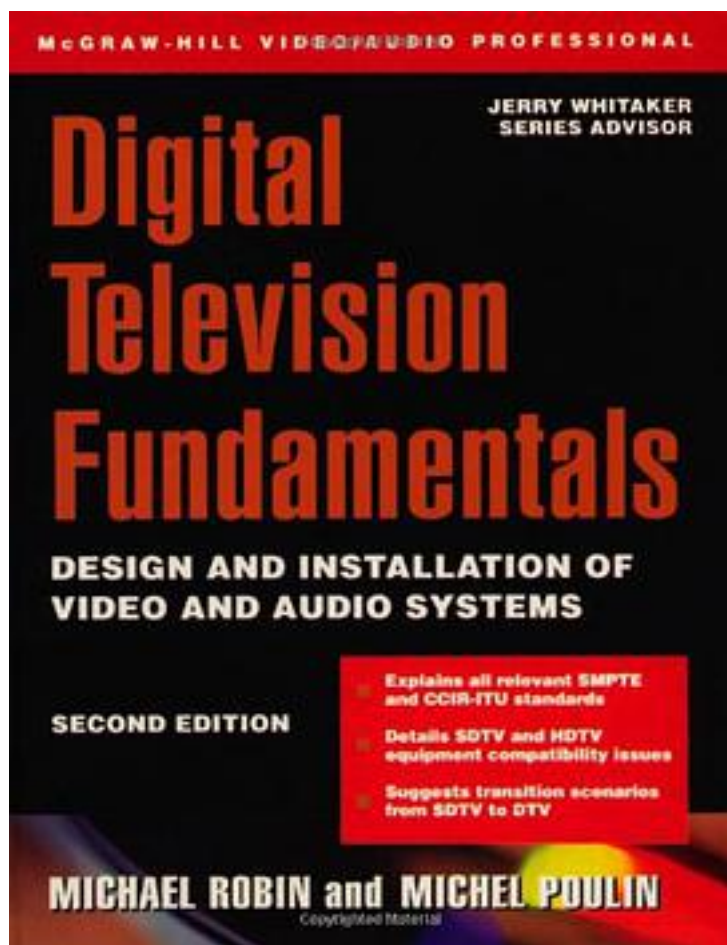


# Digital Television Fundamentals



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"Covers all major aspects of analog and digital professional/consumer products." - Jerry Whitaker, Editor in Chief, "Video Systems" magazine. "Detailed descriptions of algorithms, methods of coding/decoding. Highly recommended to everybody who

deals with digital television production, digital video equipment design, or just wants to know exactly how it works." - Amazon.com reader review. The bestselling introduction to digital television technology - updated and expanded, "Digital Television Fundamentals, Second Edition, Design and Installation of Video and Audio Systems": explains all relevant SMPTE and CCIR-ITU standards Details SDTV and HDTV equipment compatibility issues and suggests transition scenarios from SDTV and DTV. New to this edition is: in-depth coverage of the DTV standard; digital/analog equipment issues; advances in digital distribution and processing; DTV systems and applications; digital audio updates; and transition scenarios to DTV. Starting with the basics of how television works, this keystone reference clarifies the entire subject of analog and digital signal formats and updates you on the latest standards, technologies, equipment, and issues. Perfect for engineers, technicians, and other professionals working in digital video and audio, "Digital Television Fundamentals" guides you through fundamentals and leads you through sophisticated applications and compatibility questions. As the most comprehensive and heavily illustrated DTV guide out there, this much-needed resource covers the breadth of the field. Page after page, you'll find writing that's accessible to nontechnical staff or those who just want to understand how digital transmission happens. Designed to make every day on your job go more smoothly and easily, "Digital Television Fundamentals" can help you: understand all aspects of the FCC DTV standard; convert systems from analog to digital; base costly technical decisions on solid information about where the industry is headed; work with all major types of digital video and audio equipment; handle bit-signal distribution and multiplexing; manage compression; explain and apply relevant SMPTE and CCIR-ITU standards; and conceive and design the DTV scenario best suited to your budget and requirements. Written for those who want a leg up in their understanding of digital television, "Digital Television Fundamentals" is a step ahead of the competition - in breadth, in timeliness, in completeness, and in clarity. It's the marker for digital professionals who want to lead the field and stay on top of their business.

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