

REVISED EDITION

Television Engineering Handbook

FEATURING HDTV SYSTEMS

K. Blair Benson
REVISED BY *Jerry Whitaker*

Television Engineering Handbook

Richard Brice, Neil Sharpe



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[National Association of Broadcasters Engineering Handbook](#) Graham A. Jones, David H. Layer, Thomas G. Osenkowsky, 2013-04-26 The NAB Engineering Handbook provides detailed information on virtually every aspect of the broadcast chain from news gathering program production and postproduction through master control and distribution links to transmission antennas RF propagation cable and satellite Hot topics covered include HD Radio HDTV 2 GHz broadcast auxiliary services EAS workflow metadata digital asset management advanced video and audio compression audio and video over IP and Internet broadcasting A wide range of related topics that engineers and managers need to understand are also covered including broadcast administration FCC practices technical standards security safety disaster planning facility planning project management and engineering management Basic principles and the latest technologies and issues are all

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providing the current methods used for the display of scalar vector and tensor fields It also examines the more general issues of visualizing a continuum volume field and animating the dimensions of time and motion in a state of behavior The final section focuses on production visualization capabilities including the practical computational aspects of visualization such as user interfaces database architecture and interaction with a model The book concludes with an outline of successful practical applications of visualization and future trends in scientific visualization

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