Standard Handbook of Video and Television Engineering (Standard Handbook of Video & Television Engineering)

By Jerry C. Whitaker, Blair Benson

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* THE industry standard reference for video engineering, completely updated with more than 50% new material

* New chapters on video networking and digital television systems in the USA and Europe

* CD-ROM contains over 1000 pages of bonus material, linked by icon to relevant sections of the handbook so readers can expand their research

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Editorial Review

From the Back Cover
Whether in the area of computer systems, imaging, display, or compression schemes, the current technical landscape of television is a very different place than it was a few years ago. What better way to navigate this new frontier than with the landmark guide long-trusted by success-minded engineers and technicians: the Standard Handbook of Video and Television Engineering.

If you're involved in the design, production, installation, operation, and maintenance of video centers and broadcast stations, you'll find that no other source covers such a broad range of video and television technology - with an emphasis on practical applications - than the Handbook. Updated for the first time in a decade, this standard-setting reference brings you completely up to speed with:

* Digital technology for production, transport, and storage of video and audio signals

* Digital video effects

* Technical details of the DTV system

* Cable and satellite home distribution systems

* Compression technologies for audio and video

* New vacuum-tube and solid-state based transmission systems

* Video disc recording and reproduction

* Electronic editing

* And much more

Covering everything from the basic principles and formulae to the latest FCC mandates, the Handbook includes more than 150 topically organized articles - written by the foremost experts - that fall under 20 major sections. What's more, the accompanying CD includes a compendium of standards, links to organizations and companies of interest, archived technical material, and high-resolution test images.

Looking for a leading-edge resource that defines today's electronics discipline as applied to video? One that takes the current wisdom from the many fields of television technology, and pulls it all together in one commanding, ready-to-use volume? Standard Handbook of Video and Television Engineering, Third Edition is all this - and more.

About the Author
Jerry Whitaker is Technical Director of the Advanced Television Systems Committee (ATSC), Washington, D.C. He was previously President of Technical Press, a consulting company based in the San Jose, CA area. Mr. Whitaker has been involved in various aspects of the electronics industry for over 25 years, with specialization in communications. Current book titles include the following:
* Editor-in-Chief, *Standard Handbook of Audio and Radio Engineering,* 2nd Ed., McGraw-Hill, 2001
* *DTV Handbook,* 3rd Ed., McGraw-Hill, 2000

* Editor, *Television Receivers,* McGraw-Hill, 2001
* Editor, *Audio and Video Professional's Field Manual,* McGraw-Hill, 2002
* Editor, *Master Handbook of Video Production,* McGraw-Hill, 2002
* Editor, *Master Handbook of Audio Production,* McGraw-Hill, 2002
* Editor, *Audio/Video Protocol Handbook,* McGraw-Hill, 2001

Mr. Whitaker has lectured extensively on the topic of electronic systems design, installation, and maintenance. He is the former editorial director and associate publisher of *Broadcast Engineering* and *Video Systems* magazines, and a former radio station chief engineer and television news producer.

Mr. Whitaker is a Fellow of the Society of Broadcast Engineers and an SBE-certified professional broadcast engineer. He is also a fellow of the Society of Motion Picture and Television Engineers, and a member of the Institute of Electrical and Electronics Engineers.

K. Blair Benson (deceased) was an engineering consultant and one of the world's most renowned television engineers. Beginning his career as an electrical engineer with General Electric, he joined the Columbia Broadcasting System Television Network as a senior project engineer. From 1961 through 1966 he was responsible for the engineering design and installation of the CBS Television Network New York Broadcast Center, a project that introduced many new techniques and equipment designs to broadcasting. He advanced to become vice president of technical development of the CBS Electronics Video Recording Division. He later worked for Goldmark Communications Corporation as vice president of engineering and technical operations.

A senior member of the Institute of Electrical and Electronics Engineers and a fellow of the Society of Motion Picture and Television Engineers, he served on numerous engineering committees for both societies and for various terms as SMPTE Governor, television affairs vice president, and editorial vice president. He wrote more than 40 scientific and technical papers on various aspects of television technology. In addition, he was editor of four McGraw-Hill handbooks: the original edition of this *Television Engineering Handbook,* the *Audio Engineering Handbook,* the *Television and Audio Handbook for Engineers and Technicians,* and *HDTV: Advanced Television for the 1990s.*

Users Review

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