



Modern Cable Television Technology, Second Edition (The Morgan Kaufmann Series in Networking)

By David Large, James Farmer

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Modern Cable Television Technology, Second Edition (The Morgan Kaufmann Series in Networking) By David Large, James Farmer

Fully updated, revised, and expanded, this second edition of Modern Cable Television Technology addresses the significant changes undergone by cable since 1999--including, most notably, its continued transformation from a system for delivery of television to a scalable-bandwidth platform for a broad range of communication services. It provides in-depth coverage of high speed data transmission, home networking, IP-based voice, optical dense wavelength division multiplexing, new video compression techniques, integrated voice/video/data transport, and much more.

Intended as a day-to-day reference for cable engineers, this book illuminates all the technologies involved in building and maintaining a cable system. But it's also a great study guide for candidates for SCTE certification, and its careful explanations will benefit any technician whose work involves connecting to a cable system or building products that consume cable services.

*Written by four of the most highly-esteemed cable engineers in the industry with a wealth of experience in cable, consumer electronics, and telecommunications.

*All new material on digital technologies, new practices for delivering high speed data, home networking, IP-based voice technology, optical dense wavelength division multiplexing (DWDM), new video compression techniques, and integrated voice/video/data transport.

*Covers the latest on emerging digital standards for voice, data, video, and multimedia.

*Presents distribution systems, from drops through fiber optics, and covers everything from basic principles to network architectures.

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Editorial Review

Review

"**Modern Cable Television Technology** should be in the library of any company contemplating video services. It combines thorough coverage of its subject with a moderate amount of technical detail, resulting in a volume that both engineers and non-engineers alike will find useful. Although the book is clearly intended for readers having technical responsibilities related to networks providing video services, much of the material will be helpful as general background for non-technical personnel. In addition to the chapters we note below, the book provides two excellent appendices detailing channel allocation plans as variously implemented and video waveforms, a comprehensive glossary and an index. Each chapter provides helpful end notes for readers wishing to delve further into any specific question. The book is written by four authors, each of whom carries the highest engineering credentials within the cable television industry."

--EZine.com

"For those in search of a truly comprehensive cable engineering reference volume, you simply won't find anything better...Bottom line: If you don't yet have a copy, get one." - Ron Hranac - Communications Technology

From the Back Cover

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Features

- * The much-awaited second edition of an award-winning book, written by leading figures in the cable industry.
- * Organized to "follow the plant" from signal creation, through multiplexing, transmission, and, finally, reception and processing within consumer's premises.
- * Focuses on the practical, not the theoretical, and explains concepts and techniques using a minimum of mathematics.
- * Covers both analog and digital signals, as well as coaxial and fiber-optic broadband distribution systems.
- * Discusses system architecture in detail, including considerations relating to digital fiber modulation and network reliability.
- * Explores a wide range of customer interface issues, including analog and digital video reception, consumer electronics, and home networks.

About the Authors

Walter Ciciora is a Fellow of the IEEE, the SMPTE, and SCTE and is a consultant in Cable, Consumer

Electronics, and Telecommunications. He is a cofounder and CTO of HBA Matchmaker Media, a company with technologies in addressable advertising. Dr. Ciciora was cofounder and CTO of EnCamera Sciences, a company with technologies for embedding digital data in analog television signals, until it was sold in 2000. Previously, he was VP of Technology at Time Warner from 1982 to 1993 after being with Zenith since 1965. **David Large** is the Chief Technical Officer of Altrio Communications. He is a Fellow Member and Hall of Fame Honoree of the SCTE, a Senior Member of the IEEE, an NCTA Science and Technology Vanguard Award Winner, and SCTE-certified Broadband Communications Engineer. **James Farmer** is Chief Technical Officer at Wave7 Optics. He has previously been with Scientific-Atlanta, ESP, and ANTEC. He is a senior member of the IEEE and the SCTE and has served on administrative boards with both organizations. He is a recipient of the NCTA Vanguard Award in Technology, and is a member of the SCTE Hall of Fame. **Michael Adams** is President of Broadband Semantics, Inc. He is a Senior Member of the IEEE, and a member of the SCTE. In 2001, he received the Cable Center book award for "OpenCable Architecture."

About the Author

David Large is a Principal in the consulting firm Media Connections Group. He is a Fellow Member of the SCTE, a Senior Member of the IEEE, a member of the NCTA Engineering Committee and a member of the NCTA/EIA Joint Engineering Committee.

James Farmer is the Chief Technical Officer and Executive Vice President of Quality at ANTEC. A respected industry expert and communicator, Jim is widely published and is active in the National Cable Television Association (NCTA), the Society of Cable Television Engineers (SCTE), and the Institute of Electrical and Electronic Engineers (IEEE), among others.

Users Review

From reader reviews:

Marcia Fullerton:

This Modern Cable Television Technology, Second Edition (The Morgan Kaufmann Series in Networking) book is just not ordinary book, you have after that it the world is in your hands. The benefit you get by reading this book is information inside this reserve incredible fresh, you will get info which is getting deeper you actually read a lot of information you will get. This specific Modern Cable Television Technology, Second Edition (The Morgan Kaufmann Series in Networking) without we realize teach the one who studying it become critical in considering and analyzing. Don't become worry Modern Cable Television Technology, Second Edition (The Morgan Kaufmann Series in Networking) can bring once you are and not make your carrier space or bookshelves' grow to be full because you can have it inside your lovely laptop even mobile phone. This Modern Cable Television Technology, Second Edition (The Morgan Kaufmann Series in Networking) having good arrangement in word and also layout, so you will not really feel uninterested in reading.

Kay Young:

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Television Technology, Second Edition (The Morgan Kaufmann Series in Networking) book since this book offers you rich info and knowledge. Of course the information in this book hundred % guarantees there is no doubt in it as you know.

Gavin Wilkins:

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Ruth Little:

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